

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                           |                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |             |     |                                                                                                                                                                                                                                                                                                   |                                                                                                           |                                                            |                                                                                                                                                                                                                                                                                                                                                 |         |           |                |       |                |              |              |           |                |           |          |          |       |       |                                       |          |          |          |         |         |              |      |          |          |      |      |                     |    |          |          |   |    |                      |    |          |          |   |    |                      |    |          |          |   |    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------|----------------|-------|----------------|--------------|--------------|-----------|----------------|-----------|----------|----------|-------|-------|---------------------------------------|----------|----------|----------|---------|---------|--------------|------|----------|----------|------|------|---------------------|----|----------|----------|---|----|----------------------|----|----------|----------|---|----|----------------------|----|----------|----------|---|----|
| <div>Data Sheet</div> <div>EN AW 6082 – Rods and bars</div> <div>Alumeco A/S</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                           |                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                 | <div>Internal alloy name: 6082</div> <div>International alloy name: EN AW 6082</div> <div>Chemical Symbol: EN AW – AlSi1MgMn</div> <div>DIN-Werkstoff no.: 3.2315</div> <div>Alloy type: Heat treatable alloy</div>                                                                                                                                                                                                                                           |                |             |     |                                                                                                                                                                                                                                                                                                   |                                                                                                           |                                                            |                                                                                                                                                                                                                                                                                                                                                 |         |           |                |       |                |              |              |           |                |           |          |          |       |       |                                       |          |          |          |         |         |              |      |          |          |      |      |                     |    |          |          |   |    |                      |    |          |          |   |    |                      |    |          |          |   |    |
| <div>Main usage</div> <div><ul style="list-style-type: none"><li>• Machining</li><li>• Machinery</li><li>• Heavy duty structures</li><li>• Marine and offshore</li></ul></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                           | <div>Main properties</div> <div><ul style="list-style-type: none"><li>• Very good atmospheric corrosion resistance</li><li>• Very good workability</li><li>• Good machinability</li><li>• Heat treatable alloys (Soft T4 temper)</li><li>• A special anodizing quality is available by request</li></ul></div> |                                                                                                                                                                                                                                                                                                                                                 | <div>Important norms and literature</div> <div><div>Extrusion:<br/>EN 755-1: Technical conditions for inspection and delivery<br/>EN 755-2: Mechanical properties<br/>EN 755-9: Tolerances on dimensions and forms for different extrusions</div><div>Usages:<br/>EN 13195: Specifications for wrought products for marine applications<br/>EN 602: Usage in the food industry</div><div>Chemical composition:<br/>EN 573-3: Chemical composition</div></div> |                |             |     |                                                                                                                                                                                                                                                                                                   |                                                                                                           |                                                            |                                                                                                                                                                                                                                                                                                                                                 |         |           |                |       |                |              |              |           |                |           |          |          |       |       |                                       |          |          |          |         |         |              |      |          |          |      |      |                     |    |          |          |   |    |                      |    |          |          |   |    |                      |    |          |          |   |    |
| <div>Chemical composition EN 573-3:2009</div> <table><tr><td>Si</td><td>Fe</td><td>Cu</td><td>Mn</td><td>Mg</td><td>Cr</td><td>Zn</td><td>Ti</td><td colspan="2">Other elements</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Each</td><td>together</td></tr><tr><td>0.7-1.3</td><td>0.5</td><td>0.1</td><td>0.4-1.0</td><td>0.6-1.2</td><td>0.25</td><td>0.2</td><td>0.1</td><td>0.05</td><td>0.15</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                           |                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |             |     | Si                                                                                                                                                                                                                                                                                                | Fe                                                                                                        | Cu                                                         | Mn                                                                                                                                                                                                                                                                                                                                              | Mg      | Cr        | Zn             | Ti    | Other elements |              |              |           |                |           |          |          |       |       | Each                                  | together | 0.7-1.3  | 0.5      | 0.1     | 0.4-1.0 | 0.6-1.2      | 0.25 | 0.2      | 0.1      | 0.05 | 0.15 |                     |    |          |          |   |    |                      |    |          |          |   |    |                      |    |          |          |   |    |
| Si                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Fe                                                                                                        | Cu                                                                                                                                                                                                                                                                                                             | Mn                                                                                                                                                                                                                                                                                                                                              | Mg                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Cr             | Zn          | Ti  | Other elements                                                                                                                                                                                                                                                                                    |                                                                                                           |                                                            |                                                                                                                                                                                                                                                                                                                                                 |         |           |                |       |                |              |              |           |                |           |          |          |       |       |                                       |          |          |          |         |         |              |      |          |          |      |      |                     |    |          |          |   |    |                      |    |          |          |   |    |                      |    |          |          |   |    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                           |                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |             |     | Each                                                                                                                                                                                                                                                                                              | together                                                                                                  |                                                            |                                                                                                                                                                                                                                                                                                                                                 |         |           |                |       |                |              |              |           |                |           |          |          |       |       |                                       |          |          |          |         |         |              |      |          |          |      |      |                     |    |          |          |   |    |                      |    |          |          |   |    |                      |    |          |          |   |    |
| 0.7-1.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.5                                                                                                       | 0.1                                                                                                                                                                                                                                                                                                            | 0.4-1.0                                                                                                                                                                                                                                                                                                                                         | 0.6-1.2                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.25           | 0.2         | 0.1 | 0.05                                                                                                                                                                                                                                                                                              | 0.15                                                                                                      |                                                            |                                                                                                                                                                                                                                                                                                                                                 |         |           |                |       |                |              |              |           |                |           |          |          |       |       |                                       |          |          |          |         |         |              |      |          |          |      |      |                     |    |          |          |   |    |                      |    |          |          |   |    |                      |    |          |          |   |    |
| <div>Typical mechanical properties EN 755 – 2 (Extruded profiles)</div> <table><tr><td>Product group</td><td>Temper</td><td>Rm</td><td>Rp0,2</td><td>A</td><td>Hardness*</td></tr><tr><td>Dimension (mm)</td><td></td><td>MPa</td><td>MPa</td><td>%</td><td>HB</td></tr><tr><td>Rod/bar ≤ 200</td><td>O, H111</td><td>Max. 160</td><td>Max. 110</td><td>14</td><td>35</td></tr><tr><td>Rod/bar ≤ 200</td><td>T4</td><td>Min. 205</td><td>Min. 110</td><td>14</td><td>70</td></tr><tr><td>Rod/bar ≤ 20</td><td>T6</td><td>Min. 295</td><td>Min. 250</td><td>8</td><td>95</td></tr><tr><td>Rod/bar 20 &lt;D ≤ 150</td><td>T6</td><td>Min. 310</td><td>Min. 260</td><td>8</td><td>95</td></tr><tr><td>Rod/bar 150 &lt;D ≤ 200</td><td>T6</td><td>Min. 280</td><td>Min. 240</td><td>6</td><td>95</td></tr><tr><td>Rod/bar 200 &lt;D ≤ 250</td><td>T6</td><td>Min. 270</td><td>Min. 200</td><td>6</td><td>95</td></tr></table> <div>* Information values only</div> |                                                                                                           |                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |             |     | Product group                                                                                                                                                                                                                                                                                     | Temper                                                                                                    | Rm                                                         | Rp0,2                                                                                                                                                                                                                                                                                                                                           | A       | Hardness* | Dimension (mm) |       | MPa            | MPa          | %            | HB        | Rod/bar ≤ 200  | O, H111   | Max. 160 | Max. 110 | 14    | 35    | Rod/bar ≤ 200                         | T4       | Min. 205 | Min. 110 | 14      | 70      | Rod/bar ≤ 20 | T6   | Min. 295 | Min. 250 | 8    | 95   | Rod/bar 20 <D ≤ 150 | T6 | Min. 310 | Min. 260 | 8 | 95 | Rod/bar 150 <D ≤ 200 | T6 | Min. 280 | Min. 240 | 6 | 95 | Rod/bar 200 <D ≤ 250 | T6 | Min. 270 | Min. 200 | 6 | 95 |
| Product group                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Temper                                                                                                    | Rm                                                                                                                                                                                                                                                                                                             | Rp0,2                                                                                                                                                                                                                                                                                                                                           | A                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Hardness*      |             |     |                                                                                                                                                                                                                                                                                                   |                                                                                                           |                                                            |                                                                                                                                                                                                                                                                                                                                                 |         |           |                |       |                |              |              |           |                |           |          |          |       |       |                                       |          |          |          |         |         |              |      |          |          |      |      |                     |    |          |          |   |    |                      |    |          |          |   |    |                      |    |          |          |   |    |
| Dimension (mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                           | MPa                                                                                                                                                                                                                                                                                                            | MPa                                                                                                                                                                                                                                                                                                                                             | %                                                                                                                                                                                                                                                                                                                                                                                                                                                             | HB             |             |     |                                                                                                                                                                                                                                                                                                   |                                                                                                           |                                                            |                                                                                                                                                                                                                                                                                                                                                 |         |           |                |       |                |              |              |           |                |           |          |          |       |       |                                       |          |          |          |         |         |              |      |          |          |      |      |                     |    |          |          |   |    |                      |    |          |          |   |    |                      |    |          |          |   |    |
| Rod/bar ≤ 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | O, H111                                                                                                   | Max. 160                                                                                                                                                                                                                                                                                                       | Max. 110                                                                                                                                                                                                                                                                                                                                        | 14                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 35             |             |     |                                                                                                                                                                                                                                                                                                   |                                                                                                           |                                                            |                                                                                                                                                                                                                                                                                                                                                 |         |           |                |       |                |              |              |           |                |           |          |          |       |       |                                       |          |          |          |         |         |              |      |          |          |      |      |                     |    |          |          |   |    |                      |    |          |          |   |    |                      |    |          |          |   |    |
| Rod/bar ≤ 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | T4                                                                                                        | Min. 205                                                                                                                                                                                                                                                                                                       | Min. 110                                                                                                                                                                                                                                                                                                                                        | 14                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 70             |             |     |                                                                                                                                                                                                                                                                                                   |                                                                                                           |                                                            |                                                                                                                                                                                                                                                                                                                                                 |         |           |                |       |                |              |              |           |                |           |          |          |       |       |                                       |          |          |          |         |         |              |      |          |          |      |      |                     |    |          |          |   |    |                      |    |          |          |   |    |                      |    |          |          |   |    |
| Rod/bar ≤ 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | T6                                                                                                        | Min. 295                                                                                                                                                                                                                                                                                                       | Min. 250                                                                                                                                                                                                                                                                                                                                        | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 95             |             |     |                                                                                                                                                                                                                                                                                                   |                                                                                                           |                                                            |                                                                                                                                                                                                                                                                                                                                                 |         |           |                |       |                |              |              |           |                |           |          |          |       |       |                                       |          |          |          |         |         |              |      |          |          |      |      |                     |    |          |          |   |    |                      |    |          |          |   |    |                      |    |          |          |   |    |
| Rod/bar 20 <D ≤ 150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | T6                                                                                                        | Min. 310                                                                                                                                                                                                                                                                                                       | Min. 260                                                                                                                                                                                                                                                                                                                                        | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 95             |             |     |                                                                                                                                                                                                                                                                                                   |                                                                                                           |                                                            |                                                                                                                                                                                                                                                                                                                                                 |         |           |                |       |                |              |              |           |                |           |          |          |       |       |                                       |          |          |          |         |         |              |      |          |          |      |      |                     |    |          |          |   |    |                      |    |          |          |   |    |                      |    |          |          |   |    |
| Rod/bar 150 <D ≤ 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | T6                                                                                                        | Min. 280                                                                                                                                                                                                                                                                                                       | Min. 240                                                                                                                                                                                                                                                                                                                                        | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 95             |             |     |                                                                                                                                                                                                                                                                                                   |                                                                                                           |                                                            |                                                                                                                                                                                                                                                                                                                                                 |         |           |                |       |                |              |              |           |                |           |          |          |       |       |                                       |          |          |          |         |         |              |      |          |          |      |      |                     |    |          |          |   |    |                      |    |          |          |   |    |                      |    |          |          |   |    |
| Rod/bar 200 <D ≤ 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | T6                                                                                                        | Min. 270                                                                                                                                                                                                                                                                                                       | Min. 200                                                                                                                                                                                                                                                                                                                                        | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 95             |             |     |                                                                                                                                                                                                                                                                                                   |                                                                                                           |                                                            |                                                                                                                                                                                                                                                                                                                                                 |         |           |                |       |                |              |              |           |                |           |          |          |       |       |                                       |          |          |          |         |         |              |      |          |          |      |      |                     |    |          |          |   |    |                      |    |          |          |   |    |                      |    |          |          |   |    |
| <div>Physical properties</div> <table><tr><td>Density</td><td>Solidification</td><td>Electrical</td><td>Thermal</td><td>Thermal</td><td>Annealing</td><td>E - modulus</td></tr><tr><td>g/cm³</td><td>range °C</td><td>conductivity</td><td>conductivity</td><td>expansion</td><td>temperature °C</td><td>(N / mm²)</td></tr><tr><td></td><td></td><td>%IACS</td><td>W/m K</td><td>(µm m<sup>-1</sup> K<sup>-1</sup>)</td><td></td><td></td></tr><tr><td>2.70</td><td>575-650</td><td>44</td><td>172</td><td>23.1</td><td>350-400</td><td>70,000</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |             |     | Density                                                                                                                                                                                                                                                                                           | Solidification                                                                                            | Electrical                                                 | Thermal                                                                                                                                                                                                                                                                                                                                         | Thermal | Annealing | E - modulus    | g/cm³ | range °C       | conductivity | conductivity | expansion | temperature °C | (N / mm²) |          |          | %IACS | W/m K | (µm m <sup>-1</sup> K <sup>-1</sup> ) |          |          | 2.70     | 575-650 | 44      | 172          | 23.1 | 350-400  | 70,000   |      |      |                     |    |          |          |   |    |                      |    |          |          |   |    |                      |    |          |          |   |    |
| Density                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Solidification                                                                                            | Electrical                                                                                                                                                                                                                                                                                                     | Thermal                                                                                                                                                                                                                                                                                                                                         | Thermal                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Annealing      | E - modulus |     |                                                                                                                                                                                                                                                                                                   |                                                                                                           |                                                            |                                                                                                                                                                                                                                                                                                                                                 |         |           |                |       |                |              |              |           |                |           |          |          |       |       |                                       |          |          |          |         |         |              |      |          |          |      |      |                     |    |          |          |   |    |                      |    |          |          |   |    |                      |    |          |          |   |    |
| g/cm³                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | range °C                                                                                                  | conductivity                                                                                                                                                                                                                                                                                                   | conductivity                                                                                                                                                                                                                                                                                                                                    | expansion                                                                                                                                                                                                                                                                                                                                                                                                                                                     | temperature °C | (N / mm²)   |     |                                                                                                                                                                                                                                                                                                   |                                                                                                           |                                                            |                                                                                                                                                                                                                                                                                                                                                 |         |           |                |       |                |              |              |           |                |           |          |          |       |       |                                       |          |          |          |         |         |              |      |          |          |      |      |                     |    |          |          |   |    |                      |    |          |          |   |    |                      |    |          |          |   |    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                           | %IACS                                                                                                                                                                                                                                                                                                          | W/m K                                                                                                                                                                                                                                                                                                                                           | (µm m <sup>-1</sup> K <sup>-1</sup> )                                                                                                                                                                                                                                                                                                                                                                                                                         |                |             |     |                                                                                                                                                                                                                                                                                                   |                                                                                                           |                                                            |                                                                                                                                                                                                                                                                                                                                                 |         |           |                |       |                |              |              |           |                |           |          |          |       |       |                                       |          |          |          |         |         |              |      |          |          |      |      |                     |    |          |          |   |    |                      |    |          |          |   |    |                      |    |          |          |   |    |
| 2.70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 575-650                                                                                                   | 44                                                                                                                                                                                                                                                                                                             | 172                                                                                                                                                                                                                                                                                                                                             | 23.1                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 350-400        | 70,000      |     |                                                                                                                                                                                                                                                                                                   |                                                                                                           |                                                            |                                                                                                                                                                                                                                                                                                                                                 |         |           |                |       |                |              |              |           |                |           |          |          |       |       |                                       |          |          |          |         |         |              |      |          |          |      |      |                     |    |          |          |   |    |                      |    |          |          |   |    |                      |    |          |          |   |    |
| <div>Typical Alumeco products with this alloy</div> <div><ul style="list-style-type: none"><li>• Profiles in various dimensions and form</li></ul></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                           |                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |             |     |                                                                                                                                                                                                                                                                                                   |                                                                                                           |                                                            |                                                                                                                                                                                                                                                                                                                                                 |         |           |                |       |                |              |              |           |                |           |          |          |       |       |                                       |          |          |          |         |         |              |      |          |          |      |      |                     |    |          |          |   |    |                      |    |          |          |   |    |                      |    |          |          |   |    |
| <div>Properties and information (3 high/good; 2 medium; 1 poor/bad)</div> <table><tr><td><div><u>Resistance</u><br/>Corrosion index, general: 3<br/>Marine atm. corr. index: 3</div><div><u>Hot workability</u><br/>Extrusion: 3<br/>Forging: 3</div><div><u>Cold formability</u><br/>Cold formability general: 2<br/>Deep drawing: 1<br/>Bending: 2 – 3 (Depending on the temper)</div></td><td><div><u>Weldability</u><br/>TIG welding: 2<br/>MIG welding: 2</div><div><u>Solderability</u><br/>1</div></td><td><div><u>Machinability</u><br/>Machinability index: 3</div></td><td><div><u>Anodizing</u><br/>Decorative anodizing surface treatment: 2<br/>Protective anodizing index: 3<br/>Hard anodizing: 3<br/>Color anodizing: 2</div><div><u>General information</u><br/>Decorative anodizing can be a challenge due to crystal growth in the material.<br/><br/>A special anodizing quality is available by request.</div></td></tr></table>          |                                                                                                           |                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |             |     | <div><u>Resistance</u><br/>Corrosion index, general: 3<br/>Marine atm. corr. index: 3</div> <div><u>Hot workability</u><br/>Extrusion: 3<br/>Forging: 3</div> <div><u>Cold formability</u><br/>Cold formability general: 2<br/>Deep drawing: 1<br/>Bending: 2 – 3 (Depending on the temper)</div> | <div><u>Weldability</u><br/>TIG welding: 2<br/>MIG welding: 2</div> <div><u>Solderability</u><br/>1</div> | <div><u>Machinability</u><br/>Machinability index: 3</div> | <div><u>Anodizing</u><br/>Decorative anodizing surface treatment: 2<br/>Protective anodizing index: 3<br/>Hard anodizing: 3<br/>Color anodizing: 2</div> <div><u>General information</u><br/>Decorative anodizing can be a challenge due to crystal growth in the material.<br/><br/>A special anodizing quality is available by request.</div> |         |           |                |       |                |              |              |           |                |           |          |          |       |       |                                       |          |          |          |         |         |              |      |          |          |      |      |                     |    |          |          |   |    |                      |    |          |          |   |    |                      |    |          |          |   |    |
| <div><u>Resistance</u><br/>Corrosion index, general: 3<br/>Marine atm. corr. index: 3</div> <div><u>Hot workability</u><br/>Extrusion: 3<br/>Forging: 3</div> <div><u>Cold formability</u><br/>Cold formability general: 2<br/>Deep drawing: 1<br/>Bending: 2 – 3 (Depending on the temper)</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <div><u>Weldability</u><br/>TIG welding: 2<br/>MIG welding: 2</div> <div><u>Solderability</u><br/>1</div> | <div><u>Machinability</u><br/>Machinability index: 3</div>                                                                                                                                                                                                                                                     | <div><u>Anodizing</u><br/>Decorative anodizing surface treatment: 2<br/>Protective anodizing index: 3<br/>Hard anodizing: 3<br/>Color anodizing: 2</div> <div><u>General information</u><br/>Decorative anodizing can be a challenge due to crystal growth in the material.<br/><br/>A special anodizing quality is available by request.</div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |             |     |                                                                                                                                                                                                                                                                                                   |                                                                                                           |                                                            |                                                                                                                                                                                                                                                                                                                                                 |         |           |                |       |                |              |              |           |                |           |          |          |       |       |                                       |          |          |          |         |         |              |      |          |          |      |      |                     |    |          |          |   |    |                      |    |          |          |   |    |                      |    |          |          |   |    |