Novelis Fusion™ 6HF – s200 is a heat treatable product for applications with extremely demanding formability requirements. This product is recommended for inner applications such as decklid and door inner and other closure inner panels.

**Mechanical Properties**

This product has an excellent balance of properties for forming and strength. In addition, it offers a unique advantage in the hemming process enabling sharp feature lines and rope hem designs that permit the reduction in perceived gap between adjacent panels. All values are typical.

<table>
<thead>
<tr>
<th>Temper</th>
<th>UTS (Rm)</th>
<th>YS (Rp0.2)</th>
<th>Total elongation</th>
</tr>
</thead>
<tbody>
<tr>
<td>T4 Delivery</td>
<td>≥175 MPa</td>
<td>≤120 MPa</td>
<td>≥26%</td>
</tr>
<tr>
<td>T6 2% pre-strain, 20 min @185°C</td>
<td>≥210 MPa</td>
<td>≥160 MPa</td>
<td>&gt;18%</td>
</tr>
</tbody>
</table>

**Chemical Composition (wt. %)**

This product is composed of an AlMgSi core alloy of the AA6016 family with a special ductile aluminum clad. Scrap can be recycled into AA6016.

<table>
<thead>
<tr>
<th>Si</th>
<th>Fe</th>
<th>Cu</th>
<th>Mn</th>
<th>Mg</th>
<th>Cr</th>
</tr>
</thead>
<tbody>
<tr>
<td>≤13</td>
<td>≤0.80</td>
<td>≤0.30</td>
<td>≤0.05</td>
<td>≤0.10</td>
<td>≤0.10</td>
</tr>
<tr>
<td>≤1.50</td>
<td>≤0.50</td>
<td>≤0.30</td>
<td>≤0.60</td>
<td>≤0.10</td>
<td></td>
</tr>
<tr>
<td>Zn</td>
<td>Ti</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>≤0.10</td>
<td>≤0.20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>≤0.20</td>
<td>≤0.15</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Physical Properties**

- Density: $2.7 \times 10^3$ kg/m³
- Elastic Modulus: 70,000 N/mm²
- Coefficient of Thermal Expansion: $23.4 \times 10^{-6}$ K⁻¹
- Thermal Conductivity: 160 – 190 W/mK
- Electrical Conductivity: 26 – 30 m/Ωmm²

**Production Regions**

Our manufacturing footprint allows us to tailor solutions for automakers around the world. Novelis Fusion™ 6HF – s200 is produced in the following locations:

![Europe]

**What surface treatments are available?**

- Acid Etch
- TiZr
- PT3
- AlubVS
- RP4107
- E1
- PL39SX

Additional services may be available through our distributors, please contact your Novelis sales representative for more information.

**What finishing processes are available?**

- Cut-to-length
- Laser Blank
- Edge Trimming
- Slitting

Additional services may be available through our distributors, please contact your Novelis sales representative for more information.

**What gauges are available?**

- 0.9 – 7.5 mm

Please contact your Novelis sales representative for more information about available widths and gauges.

**Contact Novelis**

Novelis Global Automotive
novelis.com/automotive

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