Novelis Fusion™ 6HF – e200 is a heat treatable product for applications with extremely demanding formability requirements. This product is recommended for outer applications such as body sides and decklid outers.

### 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.

<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>1.0-1.5</td>
<td>≥0.5</td>
<td>≥0.2</td>
<td>≥0.2</td>
<td>0.25 - 0.6</td>
<td>≥0.1</td>
</tr>
<tr>
<td>≥0.25</td>
<td>≥0.6</td>
<td>≥0.2</td>
<td>≥0.5</td>
<td>≥0.5</td>
<td>≥0.1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Zn</th>
<th>Ti</th>
<th>Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>≥0.2</td>
<td>≥0.15</td>
<td>≥0.05</td>
</tr>
<tr>
<td>≥0.2</td>
<td>≥0.15</td>
<td>≥0.05</td>
</tr>
</tbody>
</table>

### Physical Properties
- **Density**: $2.7 \times 10^3 \text{ kg/m}^3$
- **Elastic Modulus**: 70,000 N/mm²
- **Coefficient of Thermal Expansion**: $23.4 \times 10^{-6} \text{ K}^{-1}$
- **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 – e200 is produced in the following locations:

### 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. Scrap can be recycled into AA6016.

### 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 – 1.5 mm

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