L44
Technical Datasheet

Typical Applications
- Aircraft components
- Architectural fascias
- Pressure vessels
- Irrigation
- Welded structures
- Offshore applications
- Welded tubes

Product Description
L44 benefits from good weldability and very good corrosion resistance, especially in seawater and industrial atmospheres. With good cold formability and medium to high fatigue strength, L44 aluminium is used in numerous applications in markets such as oil & gas, aerospace, marine and construction.

Key features
- Medium high strength alloy
- Very good weldability
- Very good corrosion resistance to seawater and industrial atmosphere
- Medium high fatigue strength
- Good cold formability

Availability
Bar

Corrosion resistance
Very good

Weldability
Good

Chemical Composition (weight %)

<table>
<thead>
<tr>
<th></th>
<th>Al</th>
<th>Mn</th>
<th>Fe</th>
<th>Mg</th>
<th>Cr</th>
<th>Si</th>
<th>Cu</th>
<th>Ti</th>
<th>Zn</th>
<th>Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>min</td>
<td>Bal</td>
<td>0.10</td>
<td>1.70</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>max</td>
<td>Bal</td>
<td>0.50</td>
<td>0.50</td>
<td>2.40</td>
<td>0.15</td>
<td>0.40</td>
<td>0.15</td>
<td>0.15</td>
<td>0.15</td>
<td>0.15</td>
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</tbody>
</table>

Mechanical Properties

<table>
<thead>
<tr>
<th></th>
<th>Proof Stress</th>
<th>Elongation A50 mm</th>
<th>Elongation A 5.65%50</th>
<th>Tensile Strength</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>60 Min MPa</td>
<td>14 Min %</td>
<td>16 Min %</td>
<td>170 Min MPa</td>
</tr>
</tbody>
</table>

Technical Assistance
Our knowledgeable staff backed up by our resident team of qualified metallurgists and engineers, will be pleased to assist further on any technical topic.