L116

Technical Datasheet

Cold Drawn Aluminium Tube

Applications

- Aircraft components
- Boiler fabrication
- Industrial pressure vessels (food sector)
- Kitchenware
- General fabrication Processing equipment (chemical, pharmaceutical)
- Sheet metal work

Product Description

L116 is a cold drawn aluminium tube product which has high corrosion resistance with slightly higher strength than 1050a. L116 aluminium tube is based on the aluminium alloy material designation 1200; the alloy also boasts high thermal conductivity and reflectivity although this is not quite as high as 1050. L116 has a 99% minimum requirement for aluminium content and yet is still classed as a non-heat-treatable commercially pure aluminium.

Key features:

- High thermal conductivity
- Very good weldability
- Very good atmospheric corrosion resistance
- Easily joined
- High anodising capability

Corrosion Resistance

High

Availability

Pipe, tube

Cold Working

Excellent

Chemical Composition (weight %)

<table>
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<tr>
<th>Weight (%)</th>
<th>Si</th>
<th>Fe</th>
<th>Cu</th>
<th>Mn</th>
<th>Mg</th>
<th>Cr</th>
<th>Ni</th>
<th>Zn</th>
<th>Pb</th>
<th>Sn</th>
<th>Ti + Zr</th>
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<td>0.7</td>
<td>0.1</td>
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Mechanical Properties

Tensile Strength (min) | 110 to 140 N/mm²

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.

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