CZ131 (CW606N)  
Technical Datasheet

Applications

- Plumbing fittings
- Fastenings
- Builders hardware
- Battery terminals

Product Description

CZ131 brass alloy is known as a riveting and turning brass. It has good machinability due to a fine dispersion of lead particles throughout the microstructure. The material is typically used in components requiring forming and machining. CZ131 offers a high general level of corrosion resistance with a good combination of high strength and ductility.

Corrosion Resistance

High corrosion resistance.

Availability

Bar

Alloy Attributes

- High corrosion resistance
- Good strength and ductility
- Good machinability and formability

Material Specifications

- CZ131
- CW606N
- C35300
- CuZn36Pb2

Weldability

<table>
<thead>
<tr>
<th>Soldering</th>
<th>Brazing</th>
<th>Oxyacetylene welding</th>
<th>Gas shielded arc welding</th>
<th>Resistance welding - Spot &amp; Seam</th>
<th>Friction welding</th>
</tr>
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<td>Resistance welding - Spot &amp; Seam</td>
<td>Friction welding</td>
</tr>
<tr>
<td>Excellent</td>
<td>Good</td>
<td>Not recommended</td>
<td>Not recommended</td>
<td>Not recommended</td>
<td>Good</td>
</tr>
</tbody>
</table>

Chemical Composition (weight %)

<table>
<thead>
<tr>
<th>Weight (%)</th>
<th>Cu</th>
<th>Pb</th>
<th>Fe</th>
<th>Zn</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>min.</td>
<td>61.0</td>
<td>1.5</td>
<td>0.0</td>
<td>Rem</td>
<td>0.0</td>
</tr>
<tr>
<td>max.</td>
<td>63.0</td>
<td>2.5</td>
<td>0.2</td>
<td>Rem</td>
<td>0.50 max</td>
</tr>
</tbody>
</table>

Mechanical Properties

| Ultimate Tensile Strength | 350 N/mm² |
| Proof Stress 0.2%         | -         |
| Elongation A5 (%)         | 25%       |

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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