

Material: AS 1874 CB401

Standard Specification for Aluminium and Aluminium Alloys - Ingots and Castings

Group: Non-Ferrous Aluminium Alloy

Sub Group: AS 1874 Aluminium and Aluminium Alloys - Ingots and Castings

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

Belongs to the Industry: Ingot and Casting

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|-----------------|---|--|
| Copper | Cu % | 0.100 max. | As-Cast | |
| Iron | Fe % | 0.400 max. | | |
| Magnesium | Mg % | 0.050 max. | | |
| Manganese | Mn % | 0.050 max. | | |
| Nickel | Ni % | 0.050 max. | | |
| Silicon | Si % | 12.000 - 13.000 | | |
| Titanium | Ti % | 0.200 max. | | |
| Zinc | Zn % | 0.100 max. | | |
| Aluminium | Al % | Balance | | |
| - | - | - | Mechanical Properties Tensile Strength in Mpa 160 - 190 Yield Strength in Mpa 55 - 69 Elongation in % 5 - 7 Reduction of Area in % - Hardness in BHN - Impact in Joule - | |
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| Cross Reference Table | | | |
|-----------------------|----------|-----------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| BS401 | AS | Australia | Ingot and Casting |
| CA401 | AS | Australia | Ingot and Casting |
| LM6 | BS | British | Ingot and Casting |
| CC401 | AS | Australia | Ingot and Casting |
| B413.0 | AA | USA | Casting |
| 4600 | IS | India | Ingot and Casting |
| ADC 2 | JIS | Japan | Ingot and Casting |

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Customer Care: +91-99090 45075 Email: info@icastllp.com