

Material: IS 617 4600

Standard Specification for Aluminium and Aluminium Alloy Ingots and Castings for

Group: Non-Ferrous Aluminium Alloy

Sub Group: IS 617 Aluminium and Aluminium Alloy Ingots and Castings for General Engineering Purposes

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 % | 0.600 max. | | |
| Magnesium | Mg % | 0.100 max. | | |
| Manganese | Mn % | 0.500 max. | | |
| Nickel | Ni % | 0.100 max. | | |
| Silicon | Si % | 10.000 - 13.000 | | |
| Lead | Pb % | 0.100 max. | | |
| Tin | Sn % | 0.050 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 - | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |

| Cross Reference Table | | | |
|-----------------------|----------|-----------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| BS401 | AS | Australia | Ingot and Casting |
| CA401 | AS | Australia | Ingot and Casting |
| CB401 | AS | Australia | Ingot and Casting |
| CC401 | AS | Australia | Ingot and Casting |
| B413.0 | AA | USA | Casting |
| LM6 | BS | British | Ingot and Casting |
| ADC 2 | JIS | Japan | Ingot and Casting |

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

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