

Material: UNE 1706 EN AC-48100

Standard Specification for Aluminium and Aluminium Alloys - Casting

Group: Non-Ferrous Aluminium Alloy

Sub Group: UNE 1706 Aluminium and Aluminium Alloys - Casting

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

Belongs to the Industry: Casting

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|-----------------|---|--|
| Copper | Cu % | 4.000 - 5.000 | As-Cast | |
| Iron | Fe % | 1.300 max. | | |
| Magnesium | Mg % | 0.250 - 0.650 | | |
| Manganese | Mn % | 0.500 max. | | |
| Nickel | Ni % | 0.300 max. | | |
| Silicon | Si % | 16.000 - 18.000 | | |
| Tin | Sn % | 0.250 max. | | |
| Titanium | Ti % | 0.250 max. | | |
| Zinc | Zn % | 1.500 max. | | |
| Other | Ot% | 0.250 max. | | |
| Aluminium | Al % | Balance | Mechanical Properties Tensile Strength in Mpa 200 - 295 Yield Strength in Mpa 160 - 260 Elongation in % 1 min. Reduction of Area in % - Hardness in BHN 90 - 125 Impact in Joule - | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |

| Cross Reference Table | | | |
|-----------------------|----------|----------------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| LM30 | BS | British | Ingot and Casting |
| 390.0 | AA | USA | Casting |
| ADC 14 | JIS | Japan | Casting |
| AC-48100 | EN | European Union | Casting |
| EN AC-48100 | DIN | Germany | Casting |
| AlSi17Cu4Mg | ISO | International | Casting |
| ALDC 14 | JIS | Japan | 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