

Material: JIS H 5302 ADC 14

Standard Specification for Aluminium Alloy Casting

Group: Non-Ferrous Aluminium Alloy

Sub Group: JIS H 5302 Aluminium Alloy 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 % | 0.450 - 0.650 | | |
| Manganese | Mn % | 0.500 max. | | |
| Nickel | Ni % | 0.300 max. | | |
| Lead | Pb % | 0.200 max. | | |
| Silicon | Si % | 16.000 - 18.000 | | |
| Tin | Sn % | 0.300 max. | | |
| Zinc | Zn % | 1.500 max. | | |
| Aluminium | Al % | Balance | | |
| - | - | - | Mechanical Properties Tensile Strength in Mpa 150 min. Yield Strength in Mpa - Elongation in % - Reduction of Area in % - Hardness in HRB - Impact in Joule - | |
| - | - | - | | |
| - | - | - | | |
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| - | - | - | | |
| - | - | - | | |
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| Cross Reference Table | | | |
|-----------------------|----------|----------------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| LM30 | BS | British | Ingot and Casting |
| 390.0 | AA | USA | Casting |
| AC-48100 | EN | European Union | Casting |
| EN AC-48100 | DIN | Germany | Casting |
| AlSi17Cu4Mg | ISO | International | Casting |
| ALDC 14 | JIS | Japan | Casting |
| EN AC-48100 | UNE | Spain | Casting |

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