



Material - UNI EN 1706 AC-48100

Standard Specification for Aluminium and Aluminium Alloys - Casting

Group - Non-Ferrous Aluminium Alloy

Sub Group - UNI EN 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 % | 0.150 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 HB 90 - 125 Impact in Joule - | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| EN AC-48100 | DIN | Germany | Casting |
| EN AC-48100 | ASME | USA | Casting |
| B 390 | AA | USA | Casting |
| EN AC-48100 | AFNOR NF | France | Casting |
| EN AC-48100 | UNE | Spain | Casting |
| EN AC-48100 | SFS | Finland | Casting |
| EN AC-48100 | MSZ | Hungary | Casting |

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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