



Material - DIN EN AW-6063

Standard Specification For Aluminium Alloy

Group - Non-Ferrous Aluminium Alloys

Sub Group - DIN EN AW-6063 Aluminium Alloy

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

Grade Belongs to the Industry - Rod, Bar and Tube

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|---------------|--|--|
| Silicon | Si % | 0.200 - 0.600 | As Raw or Temper or Solution Treated or Aging | |
| Chromium | Cr % | 0.100 max. | | |
| Manganese | Mn % | 0.100 max. | | |
| Magnesium | Mg % | 0.450 - 0.900 | | |
| Copper | Cu % | 0.100 max. | | |
| Iron | Fe % | 0.350 max. | | |
| Zinc | Zn % | 0.100 max. | | |
| Titanium | Ti % | 0.100 max. | | |
| Other | Ot % | 1.000 max. | | |
| Aluminium | Al % | Balance | | |
| - | - | - | Mechanical Properties Tensile Strength in Mpa 80 - 220 Yield Strength in Mpa 65 - 80 Elongation in % 1 min. Reduction of Area in % - Hardness in HB 25 - 85 Impact in Joule - | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |

| Cross Reference Table | | | |
|-----------------------|----------|---------------|--|
| Material | Standard | Country | Grade Belong to the Industry |
| 6063 | SAE | USA | Bar, Rod, Shapes, Tube and Wire, Extrusion |
| 6063 | AS | Australia | Wire, Rod, Bar and Strip |
| B 491 6063 | ASTM | USA | Tube |
| A96063 | UNS | USA | Bar, Rod, Shapes, Tube and Wire, Extrusion |
| 6063 | ISO | International | Rod, Bar and Tube |
| SB-241 6063 | ASME | USA | Pipe and Tube |
| B 275 GS10A | ASTM | USA | Bar, Rod, Shapes, Tube and Wire, Extrusion |

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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.