



Material - ISO 3522 Al Si7Mg0.6

Standard Specification for Aluminium and Aluminium Alloys

Group - Non-Ferrous Aluminium Alloy

Sub Group - ISO 3522 for Aluminium and Aluminium Alloys

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

Grade Belongs to the Industry - Casting

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|---------------|--------------------------------------|----------|
| Silicon | Si % | 6.500 - 7.500 | As-Cast or lution Anneling and Aging | |
| Iron | Fe % | 0.190 max. | | |
| Copper | Cu % | 0.050 max. | | |
| Manganese | Mn % | 0.100 max. | | |
| Magnesium | Mg % | 0.450 - 0.700 | | |
| Zinc | Zn % | 0.070 max. | | |
| Titanium | Ti % | 0.080 - 0.250 | | |
| Other | Ot% | 0.100 max. | | |
| Aluminium | Al % | Balance | | |
| - | - | - | Mechanical Properties | |
| - | - | - | Tensile Strength in Mpa | 250 min. |
| - | - | - | Yield Strength in Mpa | 210 min. |
| - | - | - | Elongation in % | 1 min. |
| - | - | - | Reduction of Area in % | - |
| - | - | - | Hardness in HBW | 85 min. |
| - | - | - | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| EN AC-42200 | DIN | Germany | Casting |
| EN AC-42200 | BS | British | Casting |
| EN AC-42200 | UNE | Spain | Casting |
| EN AC-42200 | UNI | Italy | Casting |
| EN AC-42200 | SFS | Finland | Casting |
| EN AC-42200 | AFNOR NF | France | Casting |
| EN AC-42200 | 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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