



Material - DIN GK-ZnAl6Cu1

Standard Specification for Zinc and Zinc Alloy Ingot and Die Castings

Group - Non-Ferrous Zinc Alloys

Sub Group - DIN GK-ZnAl6Cu1 Zinc and Zinc Alloy Ingot and Die Castings

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

Grade Belongs to the Industry - Ingot and Casting

| Chemical Composition | | | Heat Treatment | |
|----------------------|-----------|---------------|-------------------------|-----------|
| Aluminium | Al % | 5.600 - 6.000 | As-Cast | |
| Copper | Cu % | 1.200 - 1.600 | | |
| Magnesium | Mg % | 0.005 max. | | |
| Pb + Cd | Pb% + Cd% | 0.009 max. | | |
| Tin | Sn % | 0.002 max. | | |
| Iron | Fe % | 0.075 max. | | |
| Zinc | Zn % | Balance | | |
| - | - | - | | |
| - | - | - | Mechanical Properties | |
| - | - | - | Tensile Strength in Mpa | 220 - 260 |
| - | - | - | Yield Strength in Mpa | 170 - 200 |
| - | - | - | Elongation in % | 1.5 - 3 |
| - | - | - | Reduction of Area in % | - |
| - | - | - | Hardness in HB | 80 - 90 |
| - | - | - | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| ZP6 | DIN | Germany | Casting |
| ZnAl6Cu1 | UNE | Spain | Casting |
| 2.2161 | DIN | Germany | Ingot and Casting |
| 2.2161.01 | DIN | Germany | Casting |
| 2.2161.02 | DIN | Germany | Casting |
| GB-ZnAl6Cu1 | DIN | Germany | Ingot and Casting |
| G-ZnAl6Cu1 | DIN | Germany | Ingot and 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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