

Material: DIN GB-ZnAl6Cu1

Standard Specification for Zinc and Zinc Alloy Ingot and Castings

Group: Non-Ferrous Zinc Alloys

Sub Group: DIN GB-ZnAl6Cu1 Zinc and Zinc Alloy Ingot and Castings

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

Grade Belongs to the Industry: Ingot and Casting

| Chemical Composition | | |
|----------------------|-----------|---------------|
| Aluminium | Al % | 5.600 - 6.000 |
| Copper | Cu % | 1.200 - 1.600 |
| Magnesium | Mg % | 0.005 max. |
| Pb + Cd | Pb% + Cd% | 0.006 max. |
| Tin | Sn % | 0.001 max. |
| Iron | Fe % | 0.050 max. |
| Zinc | Zn % | Balance |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |

| Heat Treatment |
|----------------|
| As-Cast |

| 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 |
| GK-ZnAl6Cu1 | DIN | Germany | Ingot and Casting |
| G-ZnAl6Cu1 | DIN | Germany | Ingot and Casting |

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