

Material: ASTM B 240 ZA12

Standard Specification for Zinc and Zinc Alloys Ingot and Die Castings

Group: Non-Ferrous Zinc Alloys

Sub Group: ASTM B 240 ZA12 Zinc and Zinc Alloys 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 % | 10.800 - 11.500 | As-Cast | |
| Copper | Cu % | 0.500 - 1.200 | | |
| Magnesium | Mg % | 0.020 - 0.030 | | |
| Lead | Pb % | 0.005 max. | | |
| Cadmium | Cd % | 0.005 max. | | |
| Tin | Sn % | 0.002 max. | | |
| Iron | Fe % | 0.050 max. | | |
| Nickel | Ni % | 0.010 max. | | |
| Chromium | Cr % | 0.010 max. | | |
| Zinc | Zn % | Balance | Mechanical Properties | |
| - | - | - | Tensile Strength in Mpa | 400 min. |
| - | - | - | Yield Strength in Mpa | 300 min. |
| - | - | - | Elongation in % | 5 min. |
| - | - | - | Reduction of Area in % | - |
| - | - | - | Hardness in HB | 100 min. |
| - | - | - | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| ZP12 | DIN | Germany | Casting |
| ZnAl11Cu1 | UNE | Spain | Ingot |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

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Customer Care: +91-99090 45075 Email: info@icastllp.com