

Material: SAE J 468 903

Specification Standards for Zinc alloy ingot and die casting compositions

Group: Non-Ferrous Zinc Alloy

Sub Group: SAE J 468 Zinc alloy ingot and die casting compositions

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

Belongs to the Industry: Ingot and Casting

| Chemical Composition | | |
|----------------------|------|---------------|
| Aluminium | Al % | 3.500 - 4.300 |
| Cadmium | Cd % | 0.004 max. |
| Copper | Cu % | 0.250 max. |
| Iron | Fe % | 0.100 max. |
| Magnesium | Mg % | 0.020 - 0.050 |
| Lead | Pb % | 0.005 max. |
| Tin | Sn % | 0.005 max. |
| Zinc | Zn % | Balance |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |

| Heat Treatment |
|------------------|
| As-Cast or Aging |

| Mechanical Properties | |
|-------------------------|----------|
| Tensile Strength in Mpa | 285 min. |
| Yield Strength in Mpa | - |
| Elongation in % | 10 min. |
| Reduction of Area in % | - |
| Hardness in HB | 82 min. |
| Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| Zamak 2 | ANSI/AA | USA | Casting |
| ZDC 2 | JIS | Japan | Casting |
| ZDC 2 | KS | Korea | Casting |
| B240 AG40A | ASTM | USA | Casting |
| B240 Zamak 3 | ASTM | USA | Casting |
| GD-ZnAl4 | DIN | Germany | Casting |
| ZL3 | ISO | International | Casting |

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