

Material: BSI BS1400 PB1 CuSn10PbP

Standard Specification for Copper Alloy and High Conductivity Conductivity Copper Casting

Group: Non-Ferrous Copper Alloy

Sub Group: BSI BS1400 Copper Alloy and High Conductivity Conductivity Copper Casting

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

Belongs to the Industry: Casting

| Chemical Composition | | |
|----------------------|----------|-----------------|
| Tin | Sn % | 10.000 - 11.500 |
| Zinc | Zn % | 0.050 max. |
| Lead | Pb % | 0.250 max. |
| Phosphorus | P % | 0.500 - 1.000 |
| Nickel | Ni % | 0.100 max. |
| Iron | Fe % | 0.100 max. |
| Aluminium | Al % | 0.010 max. |
| Manganese | Mn % | 0.005 max. |
| Fe + As + Sb | Fe+As+Sb | 0.0500 max. |
| Silicon | Si % | 0.020 max. |
| Sulphur | S % | 0.050 max. |
| Other | Ot% | 0.600 max. |
| Copper | Cu % | Balance |
| - | - | - |
| - | - | - |

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

| Mechanical Properties | |
|-------------------------|----------|
| Tensile Strength in Mpa | 220 min. |
| Yield Strength in Mpa | 130 min. |
| Elongation in % | 3 min. |
| Reduction of Area in % | - |
| Hardness in BHN | - |
| Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
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Customer Care: +91-99090 45075 Email: info@icastllp.com



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India