# Material - BSI BS1400 PB2 CuSn11PbP

**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 | | | | Heat Treatment | |
|---|---|---|---|---|---|
| Tin | Sn % | 11.000 - 13.000 | | As-Cast | |
| Zinc | Zn % | 0.300 max. | | | |
| Lead | Pb % | 0.500 max. | | | |
| Phosphorus | P % | 0.150 - 0.600 | | | |
| Nickel | Ni % | 0.500 max. | | | |
| Iron | Fe % | 0.100 max. | | | |
| Aluminium | Al % | 0.010 max. | | | |
| Silicon | Si % | 0.020 max. | | | |
| Sulphur | S % | 0.100 max. | | Mechanical Properties | |
| Other | Ot% | 0.200 max. | | Tensile Strength in Mpa | 220 min. |
| Copper | Cu % | Balance | | Yield Strength in Mpa | 130 min. |
| - | - | - | | Elongation in % | 5 min. |
| - | - | - | | Reduction of Area in % | - |
| - | - | - | | Hardness in BHN | - |
| - | - | - | | Impact in Joule | - |

| Cross Reference Table | | | |
|---|---|---|---|
| Material | Standard | Country | Grade Belong to the Industry |
| 907C | AS | Australia | Ingot and Casting |
| C90810 | AS | Australia | Ingot and Casting |
| CuSn11P | ISO | International | Ingot and Casting |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
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**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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