



Material - ASTM B505 Leaded Tin Bronze UNS C92800

Standard Specification for Copper Alloy Continuous Casting

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM B505 / 505M Copper Alloys for Continuous Casting

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

Grade Belongs to the Industry - Rod, Bar, Tube and Shapes

| Chemical Composition | | | Heat Treatment | |
|----------------------|-----------|-----------------|-------------------------|---|
| Tin | Sn % | 15.000 - 17.000 | As-Cast | |
| Lead | Pb % | 4.000 - 6.000 | | |
| Zinc | Zn % | 0.800 max. | | |
| Ni + Cu | Ni% + Cu% | 0.800 max. | | |
| Iron | Fe % | 0.200 max. | | |
| Antimony | Sb % | 0.250 max. | | |
| Sulphur | S % | 0.050 max. | | |
| Phosphorus | P % | 1.500 max. | | |
| Aluminium | Al % | 0.005 max. | | |
| Silicon | Si % | 0.005 max. | | |
| Copper | Cu % | 78.000 - 82.000 | Mechanical Properties | |
| - | - | - | Tensile Strength in Mpa | - |
| - | - | - | Yield Strength in Mpa | - |
| - | - | - | Elongation in % | - |
| - | - | - | Reduction of Area in % | - |
| - | - | - | Hardness in BHN | - |
| - | - | - | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| B30 C92800 | ASTM | USA | Ingot and Casting |
| B505 C92800 | ASTM | USA | Casting |
| SB-505 C92800 | ASME | USA | Casting |
| 80Cu-16Sn-5Pb | SAE | USA | Casting |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

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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