



Material - ASTM B505 C92500

Standard Specification for Copper Alloy Continuous Casting

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM B505 Copper Alloy Continuous Casting

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

Grade Belongs to the Industry - Casting

| Chemical Composition | | | Heat Treatment | |
|----------------------|-----------|-----------------|---|--|
| Aluminium | Al % | 0.005 max. | As-Cast | |
| Iron | Fe % | 0.300 max. | | |
| Ni + Co | Ni% + Co% | 0.800 - 1.500 | | |
| Phosphorus | P % | 1.500 max. | | |
| Lead | Pb % | 1.000 - 1.500 | | |
| Sulphur | S % | 0.050 max. | | |
| Antimony | Sb % | 0.250 max. | | |
| Silicon | Si % | 0.005 max. | | |
| Tin | Sn % | 10.000 - 12.000 | | |
| Zinc | Zn % | 0.500 max. | | |
| Copper | Cu % | 85.000 - 88.000 | Mechanical Properties Tensile Strength in Mpa 276 min. Yield Strength in Mpa 165 min. Elongation in % 10 min. Reduction of Area in % - Hardness in BHN - Impact in Joule - | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| C92500 | UNS | USA | Rod, Bar, Tube and Shapes |
| B30 C92500 | ASTM | USA | Ingot and Casting |
| SB-505 C92500 | ASME | USA | Casting |
| CA925 | SAE | USA | Casting |
| SAE 640 | 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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