



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SB-505 C92900

Standard Specification for Copper Alloy Continuous Casting

Group - Non-Ferrous Copper Alloy

Sub Group - ASME SB-505 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 % | 0.200 max. | | |
| Ni + Co | Ni% + Co% | 2.800 - 4.000 | | |
| Phosphorus | P % | 1.500 max. | | |
| Lead | Pb % | 2.000 - 3.200 | | |
| Sulphur | S % | 0.050 max. | | |
| Antimony | Sb % | 0.250 max. | | |
| Silicon | Si % | 0.005 max. | | |
| Tin | Sn % | 9.00 - 11.000 | | |
| Zinc | Zn % | 0.250 max. | | |
| Copper | Cu % | 82.000 - 86.000 | Mechanical Properties Tensile Strength in Mpa 310 min. Yield Strength in Mpa 172 min. Elongation in % 8 min. Reduction of Area in % - Hardness in BHN - Impact in Joule - | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
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| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| C92900 | UNS | USA | Rod, Bar, Tube and Shapes |
| B30 C92900 | ASTM | USA | Ingot and Casting |
| B427 C92900 | ASTM | USA | Casting |
| B505 C92900 | ASTM | USA | Casting |
| C92900 | 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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

ONE STOP SOLUTION FOR METAL PARTS