

Material: ASTM B505 C84200

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 % | 0.400 max. | | |
| Ni + Co | Ni% + Co% | 0.800 max. | | |
| Phosphorus | P % | 1.500 max. | | |
| Lead | Pb % | 2.000 - 3.000 | | |
| Sulphur | S % | 0.080 max. | | |
| Antimony | Sb % | 0.250 max. | | |
| Silicon | Si % | 0.005 max. | | |
| Tin | Sn % | 4.000 - 6.000 | | |
| Zinc | Zn % | 10.000 - 16.000 | | |
| Copper | Cu % | 78.000 - 82.000 | Mechanical Properties Tensile Strength in Mpa 221 min. Yield Strength in Mpa 110 min. Elongation in % 13 min. Reduction of Area in % - Hardness in BHN - Impact in Joule - | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| C84200 | UNS | USA | Rod, Bar, Tube and Shapes |
| B30 C84200 | ASTM | USA | Casting |
| SB-505 C84200 | ASME | USA | Casting |
| C83800 | UNS | USA | Casting |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

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