



Material - ASTM B505 C94800

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 %	0.200 max.																
Manganese	Mn %	0.200 max.																
Ni + Co	Ni% + Co%	4.500 - 6.000																
Phosphorus	P %	0.050 max.																
Lead	Pb %	0.300 - 1.000																
Sulphur	S %	0.050 max.																
Antimony	Sb %	0.150 max.																
Silicon	Si %	0.005 max.																
Tin	Sn %	4.500 - 6.000																
Zinc	Zn %	1.000 - 2.500																
Copper	Cu %	84.000 - 89.000																
-	-	-			<table border="1"> <thead> <tr> <th colspan="2">Mechanical Properties</th> </tr> </thead> <tbody> <tr> <td>Tensile Strength in Mpa</td> <td>276 min.</td> </tr> <tr> <td>Yield Strength in Mpa</td> <td>138 min.</td> </tr> <tr> <td>Elongation in %</td> <td>20 min.</td> </tr> <tr> <td>Reduction of Area in %</td> <td>-</td> </tr> <tr> <td>Hardness in BHN</td> <td>-</td> </tr> <tr> <td>Impact in Joule</td> <td>-</td> </tr> </tbody> </table>		Mechanical Properties		Tensile Strength in Mpa	276 min.	Yield Strength in Mpa	138 min.	Elongation in %	20 min.	Reduction of Area in %	-	Hardness in BHN	-
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C94800	UNS	USA	Rod, Bar, Tube and Shapes
B292-B	ASTM	USA	Casting
B30 C94800	ASTM	USA	Ingot and Casting
B584 C94800	ASTM	USA	Casting
SB-505 C94800	ASME	USA	Casting
C94800	SAE	USA	Casting
CA948	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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