



Material - BSI BS1400 G1 CuSn10Zn2

Standard Specification for Copper Alloy and High Conductivity Conductivity Copper Casting

Group - Non-Ferrous Copper Alloy

Sub Group - BSI BS1400 Copper Alloy and High Conductivity Conductivity Copper Casting

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

Grade Belongs to the Industry - Ingot and Casting

Chemical Composition			Heat Treatment	
Tin	Sn %	9.500 - 10.500	As-Cast	
Zinc	Zn %	1.750 - 2.750		
Lead	Pb %	1.500 max.		
Nickel	Ni %	1.000 max.		
Iron	Fe %	0.150 max.		
Aluminium	Al %	0.010 max.		
Silicon	Si %	0.020 max.		
Bismuth	Bi %	0.030 max.		
Sulphur	S %	0.100 max.		
Other	Ot%	0.300 max.		
Copper	Cu %	Balance	Mechanical Properties Tensile Strength in Mpa 270 min. Yield Strength in Mpa 130 min. Elongation in % 13 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
CuSn10Zn2	ISO	International	Ingot and Casting
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-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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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