

Material: BSI BS1400 LG1 CuSn3Pb5Zn8

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: Casting

Chemical Composition		
Tin	Sn %	2.000 - 3.500
Zinc	Zn %	7.000 - 9.500
Lead	Pb %	4.000 - 6.000
Nickel	Ni %	2.000 max.
Aluminium	Al %	0.010 max.
Fe + As + Sb	Fe+As+Sb	0.750 max.
Silicon	Si %	0.020 max.
Bismuth	Bi %	0.100 max.
Sulphur	S %	0.100 max.
Other	Ot%	1.000 max.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	180 min.
Yield Strength in Mpa	80 min.
Elongation in %	11 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
-	-	-	-
-	-	-	-
-	-	-	-
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