

Material: BSI BS1400 LG4 CuSn7Pb3Zn3

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 %	6.000 - 8.000
Zinc	Zn %	1.500 - 3.000
Lead	Pb %	2.500 - 3.500
Nickel	Ni %	2.000 max.
Iron	Fe %	0.200 max.
Aluminium	Al %	0.010 max.
Antimony	Sb %	0.250 max.
Arsenic	As %	0.150 max.
Fe + As + Sb	Fe+As+Sb	0.400 max.
Silicon	Si %	0.010 max.
Bismuth	Bi %	0.050 max.
Other	Ot%	0.700 max.
Copper	Cu %	Balance
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	250 min.
Yield Strength in Mpa	130 min.
Elongation in %	16 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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