

Material: BSI BS1400 CN2 CuNi30Nb

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		
Lead	Pb %	0.005 max.
Phosphorus	P %	0.005 max.
Nickel	Ni %	28.000 - 32.000
Iron	Fe %	1.000 - 1.400
Manganese	Mn %	1.000 - 1.400
Silicon	Si %	0.200 - 0.400
Bismuth	Bi %	0.002 max.
Sulphur	S %	0.010 max.
Nb + Ta	Nb % + Ta%	1.200 - 1.400
Carbon	C %	0.020 max.
Cobalt	Co %	0.050 max.
Other	Ot%	0.300 max.
Copper	Cu %	Balance
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	480 min.
Yield Strength in Mpa	300 min.
Elongation in %	18 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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Customer Care: +91-99090 45075 Email: info@icastllp.com



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India