

Material: BS EN 1982 CuNi30Fe1Mn1-B (CB381H)

Standard Specification for Copper and Copper Alloys - Ingot and Casting

Group: Non-Ferrous Copper Alloy

Sub Group: BS EN 1982 Standard Specification for Copper and Copper Alloys - Ingot and Casting

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

Belongs to the Industry: Ingot and Casting

Chemical Composition		
Aluminium	Al %	0.010 max.
Carbon	C %	0.030 max.
Phosphorus	P %	0.010 max.
Lead	Pb %	0.030 max.
Sulphur	S %	0.010 max.
Zinc	Zn %	0.500 max.
Silicon	Si %	0.100 max.
Iron	Fe %	0.500 - 1.500
Manganese	Mn %	0.600 - 1.200
Nickel	Ni %	29.000 - 31.000
Copper	Cu %	64.500 min.
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	340 min.
Yield Strength in Mpa	120 min.
Elongation in %	18 min.
Reduction of Area in %	-
Hardness in HBW	80 min.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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