

Material: BS EN 1982 CuSn7Pb20-B (CB497K)

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			Heat Treatment	
Aluminium	Al %	0.010 max.	As-Cast	
Iron	Fe %	0.250 max.		
Manganese	Mn %	0.200 max.		
Sulphur	S %	0.100 max.		
Antimony	Sb %	0.750 max.		
Silicon	Si %	0.010 max.		
Nickel	Ni %	0.500 - 2.000		
Phosphorus	P %	0.100 max.		
Lead	Pb %	18.000 - 23.000		
Zinc	Zn %	2.000 max.	Mechanical Properties	
Tin	Sn %	4.000 - 6.000	Tensile Strength in Mpa	150 min.
Cu + Ni	Cu%+Ni%	70.000 - 78.000	Yield Strength in Mpa	70 min.
-	-	-	Elongation in %	5 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HBW	45 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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