

Material: AFNOR NF CuSn5Pb1

Standard Specification for Copper-Tin Alloy Rod

Group: Non Ferrous Copper Alloys

Sub Group: AFNOR NF CuSn5Pb1 Copper-Tin Alloy Rod

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

Grade Belongs to the Industry: Rod

Chemical Composition		
Iron	Fe %	0.100 max.
Nickel	Ni %	0.200 max.
Phosphorus	P %	0.010 - 0.400
Lead	Pb %	0.500 - 1.500
Tin	Sn %	3.500 - 4.500
Zinc	Zn %	0.300 max.
Other	Ot %	0.200 max.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw or Solution Heat Treated

Mechanical Properties	
Tensile Strength in Mpa	450 min.
Yield Strength in Mpa	350 min.
Elongation in %	5 min.
Reduction of Area in %	-
Hardness in BHN	115 - 210
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuSn5Pb1	DIN	Germany	Rod
C 5341 B	JIS	Japan	Rod, Bar and Wire
CW458K	AFNOR NF	France	Rod
CuSn5Pb1	SFS	Finland	Rod
CW458K	SFS	Finland	Rod
CuSn5Pb1	BDS	Bulgaria	Rod
CW458K	BDS	Bulgaria	Rod

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