



Material - AFNOR NF CW458K

Standard Specification for Copper-Tin Alloy Rod

Group - Non Ferrous Copper Alloys
Sub Group - AFNOR NF CW458K Copper-Tin Alloy Rod
Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries
Grade Belongs to the Industry - Rod

Chemical Composition			Heat Treatment	
Iron	Fe %	0.100 max.		
Nickel	Ni %	0.200 max.		
Phosphorus	P %	0.010 - 0.400	As Raw or Solution Heat Treated	
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		-
-	-	-	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
-	-	-	Impac <mark>t in Joule</mark>	-

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

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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