

Material: AFNOR NF EN 1982 CuSn12Ni2-C

Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group: Non-Ferrous Copper Alloy

Sub Group: AFNOR NF EN 1982 Copper and Copper Alloys - Ingots and Castings

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 %	0.200 max.		
Manganese	Mn %	0.200 max.		
Nickel	Ni %	1.500 - 2.500		
Phosphorus	P %	0.050 - 0.400		
Lead	Pb %	0.300 max.		
Sulphur	S %	0.050 max.		
Antimony	Sb %	0.100 max.		
Silicon	Si %	0.010 max.		
Tin	Sn %	11.000 - 13.000		
Zinc	Zn %	0.400 max.	Mechanical Properties Tensile Strength in Mpa 280 - 300 Yield Strength in Mpa 160 - 180 Elongation in % 8 - 12 Reduction of Area in % - Hardness in HB 85 - 95 Impact in Joule -	
Cu + Ni	Cu%+Ni%	84.500 - 87.500		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CB484K	BS	British	Ingot and Casting
CC484K	AFNOR NF	France	Ingot and Casting
CC484K	BDS	Bulgaria	Ingot and Casting
CuSn12Ni2-C	BDS	Bulgaria	Ingot and Casting
CC484K	DIN	Germany	Ingot and Casting
CuSn12Ni2-C	DIN	Germany	Ingot and Casting
CuSn12Ni2-C	UNI	Italy	Ingot and Casting

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