

Material: UNI EN 1982 CuSn12Ni2-C

Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group: Non-Ferrous Copper Alloy

Sub Group: UNI 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
CuSn12Ni2-C	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

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