

Material: UNE EN 1982 CuSn12Ni2-B

Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group: Non-Ferrous Copper Alloy

Sub Group: UNE 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 %	0.150 max.		
Manganese	Mn %	0.100 max.		
Nickel	Ni %	1.500 - 2.400		
Phosphorus	P %	0.050 max.		
Lead	Pb %	0.200 max.		
Sulphur	S %	0.040 max.		
Antimony	Sb %	0.050 max.		
Silicon	Si %	0.010 max.		
Tin	Sn %	11.300 - 13.000		
Zinc	Zn %	0.300 max.	Mechanical Properties	
Cu + Ni	Cu%+Ni%	84.000 - 87.000		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			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	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CC484K	BS	British	Ingot and Casting
CB484K	ONORM	Australia	Ingot and Casting
CuSn12Ni2-B	ONORM	Australia	Ingot and Casting
CB484K	UNI	Italy	Ingot and Casting
CuSn12Ni2-B	UNI	Italy	Ingot and Casting
CB484K	DIN	Germany	Ingot and Casting
CuSn12Ni2-B	DIN	Germany	Ingot and Casting

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com