



Material - BS EN 1982 CuSn12Ni2-B (CB484K)

Standard Specification for Copper and Copper Alloys - Ingot and Casting

Group - Non-Ferrous Copper Alloy

Sub Group - BS EN 1982 Standard Specification for Copper and Copper Alloys - Ingot and Casting

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.		
Lead	Pb %	0.300 max.		
Sulphur	S %	0.050 max.		
Antimony	Sb %	0.100 max.		
Silicon	Si %	0.010 max.		
Zinc	Zn %	0.400 max.		
Silicon	Si %	0.010 max.		
Zinc	Zn %	0.500 max.		
Phosphorus	P %	0.050 - 0.400	Mechanical Properties	
Nickel	Ni %	1.500 - 2.500	Tensile Strength in Mpa	280 min.
Tin	Sn %	11.000 - 13.000	Yield Strength in Mpa	160 min.
Copper	Cu %	84.500 - 87.500	Elongation in %	12 min.
-	-	-	Reduction of Area in %	-
			Hardness in HBW	85 min.
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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
CuSn12Ni2-C	UNI	Italy	Ingot and Casting

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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