



## Material - BS EN 1982 CuSn12-B (CB483K)

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	
Nickel	Ni %	2.000 max.	As-Cast	
Phosphorus	P %	0.600 max.		
Lead	Pb %	0.700 max.		
Aluminium	Al %	0.010 max.		
Iron	Fe %	0.200 max.		
Manganese	Mn %	0.200 max.		
Sulphur	S %	0.050 max.		
Antimony	Sb %	0.150 max.		
Silicon	Si %	0.010 max.		
Zinc	Zn %	0.500 max.		
Tin	Sn %	11.000 - 13.000	Mechanical Properties	
Copper	Cu %	85.000 - 88.500	Tensile Strength in Mpa	260 min.
-	-	-	Yield Strength in Mpa	140 min.
-	-	-	Elongation in %	7 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HBW	80 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CC483K	AFNOR NF	France	Ingot and Casting
CC483K	ONORM	Australia	Ingot and Casting
CC483K	BDS	Bulgaria	Ingot and Casting
CC483K	UNI	Italy	Ingot and Casting
CuSn12-C	DIN	Germany	Ingot and Casting
CuSn12-C	UNE	Spain	Ingot and Casting
CuSn12-C	MSZ	Hungary	Ingot and Casting

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +91846916029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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