



## Material - DIN EN 1982 CuSn12Ni2-B

### Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group - Non-Ferrous Copper Alloy

Sub Group - DIN 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.	<b>Mechanical Properties</b> 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%	84.000 - 87.000		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

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	UNE	Spain	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](mailto:marketing@gravitycastindia.com)**

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