GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

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		
Aluminium	Al %	0.010 max.
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.
Cu + Ni	Cu%+Ni%	84.000 - 87.000
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

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	-

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

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com