



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - DIN EN 1982 CC480K

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 %	0.200 max.		
Manganese	Mn %	0.100 max.		
Nickel	Ni %	2.000 max.		
Phosphorus	P %	0.200 max.		
Lead	Pb %	1.000 max.		
Sulphur	S %	0.050 max.		
Antimony	Sb %	0.200 max.		
Silicon	Si %	0.020 max.		
Tin	Sn %	9.000 - 11.000		
Zinc	Zn %	0.500 max.		
Cu + Ni	Cu%+Ni%	88.000 - 90.000		
-	-	-		
-	-	-		
-	-	-		

Mechanical Properties	
Tensile Strength in Mpa	250 - 326
Yield Strength in Mpa	130 - 170
Elongation in %	10 - 45.6
Reduction of Area in %	-
Hardness in HB	70 - 80
Impact in Joule	48.4 - 49.9 @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CB480K	BS	British	Ingot and Casting
CC480K	ONORM	Australia	Ingot and Casting
CC480K	EN	European Union	Ingot and Casting
CC480K	BDS	Bulgaria	Ingot and Casting
CuSn10-C	AFNOR NF	France	Ingot and Casting
CuSn10-C	UNE	Spain	Ingot and Casting
CuSn10-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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

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