



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 1982 CuNi10Fe1Mn1-C (CC380H)

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	
Carbon	C %	0.100 max.		
Niobium	Nb %	1.000 max.		
Lead	Pb %	0.030 max.		
Zinc	Zn %	0.500 max.		
Silicon	Si %	0.100 max.		
Manganese	Mn %	1.000 - 1.500		
Iron	Fe %	1.000 - 1.800		
Nickel	Ni %	9.000 - 11.000		
Copper	Cu %	84.500 min.		
-	-	-	Mechanical Properties Tensile Strength in Mpa 280 min. Yield Strength in Mpa 120 min. Elongation in % 20 min. Reduction of Area in % - Hardness in HBW 70 min. Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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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.

ONE STOP SOLUTION FOR METAL PARTS