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		
Aluminium	Al %	0.010 max.
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.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

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	-

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