



Material - IS 8362 70/30 Copper - Nickel - Iron

Standard Specification for Copper and Copper Alloy Rolled Plates for Condensers and Heat Exchangers

Group - Non-Ferrous Copper Alloy

Sub Group - IS 8362 Copper and Copper Alloy Rolled Plates for Condensers and Heat Exchangers

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Plate

Chemical Composition			Heat Treatment	
Phosphorus	P %	0.020 max.	As Raw	
Zinc	Zn %	1.000 max.		
Nickel	Ni %	29.000 - 33.000		
Iron	Fe %	0.400 - 0.700		
Manganese	Mn %	0.400 - 1.000		
Sulphur	S %	0.020 max.		
Lead	Pb %	0.050 max.		
Other	Ot%	0.300 max.		
Copper	Cu %	65.000 min.		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	310 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	27 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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-	-	-	-
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-	-	-	-
-	-	-	-
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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

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