



Material - IS 4171

Standard Specification for Copper Wires for General Engineering Purposes

Group - Non-Ferrous Copper Alloy

Sub Group - IS 4171 Copper Wires for General Engineering Purposes

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

Grade Belongs to the Industry - Wire

Chemical Composition			Heat Treatment	
Tin	Sn %	0.010 max.	As Raw	
Lead	Pb %	0.010 max.		
Iron	Fe %	0.030 max.		
Nickel	Ni %	0.100 max.		
Arsenic	As %	0.05 max.		
Antimony	Sb %	0.005 max.		
Bismuth	Bi %	0.003 max.		
Phosphorus	P %	0.0150 - 0.060		
Selenium + Tellurium	Se % + Te%	0.020 max.		
Other	Ot%	0.060 max.		
Copper	Cu %	99.500 max.	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	230 max.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	13 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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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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