



Material - DIN 2.1160

Standard Specification for Copper and Copper Alloy Rod for Free Machining Purpose

Group - Non Ferrous Copper Alloys

Sub Group - DIN 2.1160 Copper and Copper Alloy Rod for Free Machining Purpose
Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries
Grade Belongs to the Industry - Rod

Chemical Composition			Heat Treatment	
Phosphorus	P %	0.003 - 0.012		
Lead	Pb %	0.700 - 1.500		
Other	Ot %	0.100 max.	As Raw or Solution Heat Treated	
Copper	Cu %	Balance		Heat Treated
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-	Mechanical Properties	
-	-		Tensile Strength in Mpa	250 min.
-	-	-	Yield Strength in Mpa	180 min.
-	-	-	Elongation in %	5 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	80 - 130
-	-	-	Impac <mark>t in Joule</mark>	-

Cross Reference Table				
Material	Standard	Country	Grade Belong to the Industry	
EN 12164 CuPb1P	DIN	Germany	Rod	
CuPb1P	ONORM	Australia	Rod	
CW113C	ONORM	Australia	Rod	
CuPb1P	AFNOR NF	France	Rod	
CW113C	AFNOR NF	France	Rod	
CuPb1P	SFS	Finland	Rod	
CW113C	SFS	Finland	Rod	

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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