



Material - GOST LS59-2

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

Group - Non Ferrous Copper Alloys

Sub Group - GOST LS59-2 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	
Aluminium	Al %	0.100 max.	As Raw or Solution Heat Treated	
Iron	Fe %	0.400 max.		
Nickel	Ni %	0.400 max.		
Lead	Pb %	1.500 - 2.500		
Tin	Sn %	0.300 max.		
Other	Ot %	0.200 max.		
Copper	Cu %	57.000 - 59.000		
Zinc	Zn %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	330 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	7 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HV	70 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN 12164 CuZn40Pb2	DIN	Germany	Rod
B 124 CW617N	ASTM	USA	Rod
CuZn40Pb2	ISO	International	Rod
CuZn40Pb2	SFS	Finland	Rod
CW617N	SFS	Finland	Rod
CuZn40Pb2	BS	British	Rod
CW617N	BS	British	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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