



Material - MSZ CuZn38Pb1

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

Group - Non Ferrous Copper Alloys

Sub Group - MSZ CuZn38Pb1 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 %	0.050 max.	As Raw or Solution Heat Treated	
Iron	Fe %	0.200 max.		
Nickel	Ni %	0.300 max.		
Lead	Pb %	0.800 - 1.600		
Tin	Sn %	0.200 max.		
Other	Ot %	0.200 max.		
Copper	Cu %	60.000 - 61.000		
Zinc	Zn %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	340 min.
-	-	-	Yield Strength in Mpa	140 - 509.9
-	-	-	Elongation in %	8 min.
-	-	-	Reduction of Area in %	62.5 min.
-	-	-	Hardness in HV	79 - 160
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN 12164 CuZn38Pb1	DIN	Germany	Rod
CuZn38Pb1	CSN	Czech Republic	Rod
CW607N	CSN	Czech Republic	Rod
CuZn38Pb1	ONORM	Australia	Rod
CW607N	ONORM	Australia	Rod
CW607N	MSZ	Hungary	Rod
CW607N	EN	European Union	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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