Material - DIN 2.0371

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

Group - Non Ferrous Copper Alloys
Sub Group - DIN 2.0371 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 %	0.300 max.		
Nickel	Ni %	0.300 max.		
Other	Ot %	0.200 max.		
Lead	Pb %	1.000 - 2.000		
Tin	Sn %	0.200 max.		
Copper	Cu %	59.500 - 61.500		
Zinc	Zn %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	330 min.
-	-	-	Yield Strength in Mpa	100 - 250
-	-	-	Elongation in %	5 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HV	75 - 165
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
CuZn36Pb2Sn1	DIN	Germany	Rod
B 21 C48500	ASTM	USA	Rod, Bar and Shape
B 124 C48500	ASTM	USA	Rod, Bar and Shape
B 283 C48500	ASTM	USA	Forging
SB-283 C48500	ASME	USA	Forging
485	AS	Australia	Forging
C48500	AS	Australia	Ingot and Casting

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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