

Material: AFNOR NF CuZn40

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

Group: Non Ferrous Copper Alloys

Sub Group: AFNOR NF CuZn40 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	
Lead	Pb %	0.200 max.		
Iron	Fe %	0.200 max.		
Nickel	Ni %	0.300 max.		
Other	Ot %	0.200 max.		
Copper	Cu %	59.000 - 61.500		
Zinc	Zn %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 289.3 - 750 Yield Strength in Mpa 86 min. Elongation in % 1 min. Reduction of Area in % - Hardness in HV 75 - 205 Impact in Joule -	
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-	-	-		
-	-	-		
-	-	-		
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-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN 12164 CuZn39Pb2	DIN	Germany	Rod
M059	PN	Poland	Rod
B 124 CW612N	ASTM	USA	Rod
Ms58	DIN	Germany	Rod
CZ 120	BS	British	Rod
C37700	UNS	USA	Rod
CW509L	AFNOR NF	France	Rod

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