



## Material - EN CuZn35Pb1

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

Group - Non Ferrous Copper Alloys

Sub Group - EN CuZn35Pb1 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 %	0.100 max.		
Nickel	Ni %	0.300 max.		
Lead	Pb %	0.800 - 1.600		
Tin	Sn %	0.100 max.		
Other	Ot %	0.100 max.		
Copper	Cu %	62.500 - 64.000		
Zinc	Zn %	Balance		
-	-	-	<b>Mechanical Properties</b>	
-	-	-	Tensile Strength in Mpa	290 - 540
-	-	-	Yield Strength in Mpa	95.2 min.
-	-	-	Elongation in %	5 min.
-	-	-	Reduction of Area in %	61 min.
-	-	-	Hardness in HV	60 - 170
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN 12164 CuZn35Pb1	DIN	Germany	Rod
C 3501 W	JIS	Japan	Rod
CuZn35Pb1	ONORM	Australia	Rod
CW600N	ONORM	Australia	Rod
CW600N	EN	European Union	Rod
CuZn35Pb1	AFNOR NF	France	Rod
CW600N	AFNOR NF	France	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](mailto:marketing@gravitycastindia.com)**

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