



## Material - BDS CuZn35Pb2

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

**Group - Non Ferrous Copper Alloys**

**Sub Group - BDS CuZn35Pb2 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 %	1.600 - 2.500		
Tin	Sn %	0.100 max.		
Other	Ot %	0.100 max.		
Copper	Cu %	62.000 - 63.500		
Zinc	Zn %	Balance	<b>Mechanical Properties</b> Tensile Strength in Mpa   290 min. Yield Strength in Mpa   180 min. Elongation in %   5 min. Reduction of Area in %   - Hardness in HV   60 - 150 Impact in Joule   -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN 12164 CuZn35Pb2	DIN	Germany	Rod
CW601N	BDS	Bulgaria	Rod
CuZn35Pb2	NBN	Belgium	Rod
CW601N	NBN	Belgium	Rod
CuZn35Pb2	EN	European Union	Rod
CW601N	EN	European Union	Rod
CuZn35Pb2	DIN	Germany	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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