



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - DIN EN 12164 CuZn35Pb2 (CW601N)

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

Group - Non Ferrous Copper Alloys

Sub Group - DIN EN 12164 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		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	330 min.
-	-	-	Yield Strength in Mpa	150 min.
-	-	-	Elongation in %	16 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HV	90 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuZn35Pb2	BDS	Bulgaria	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

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