



## Material - BS CuZn37Pb2

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

**Group - Non Ferrous Copper Alloys**

**Sub Group - BS CuZn37Pb2 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 %	0.200 max.		
Nickel	Ni %	0.300 max.		
Lead	Pb %	1.600 - 2.500		
Tin	Sn %	0.200 max.		
Other	Ot %	0.200 max.		
Copper	Cu %	61.000 - 62.000		
Zinc	Zn %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	290 - 686.5
			Yield Strength in Mpa	147.1 - 451.1
			Elongation in %	2 min.
			Reduction of Area in %	-
			Hardness in HV	60 - 170
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN 12164 CuZn37Pb2	DIN	Germany	Rod
CW606N	BS	British	Rod
CuZn37Pb2	UNE	Spain	Rod
CW606N	UNE	Spain	Rod
CuZn37Pb2	CSN	Czech Republic	Rod
CW606N	SS	Sweden	Rod
CuZn37Pb2	SS	Sweden	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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