



## Material - EN CW602N

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

**Group - Non Ferrous Copper Alloys**

**Sub Group - EN CW602N 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.				
Iron	Fe %	0.100 max.				
Manganese	Mn %	0.100 max.				
Lead	Pb %	1.700 - 2.800				
Nickel	Ni %	0.300 max.				
Arsenic	As %	0.020 - 0.150				
Tin	Sn %	0.100 max.				
Other	Ot %	0.200 max.				
Copper	Cu %	61.000 - 63.000				
Zinc	Zn %	Balance	<th colspan="2">Mechanical Properties</th>		Mechanical Properties	
-	-	-	Tensile Strength in Mpa	280 min.		
-	-	-	Yield Strength in Mpa	120 - 250		
-	-	-	Elongation in %	8 min.		
-	-	-	Reduction of Area in %	-		
-	-	-	Hardness in HV	80 - 145		
-	-	-	Impact in Joule	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuZn36Pb2As	DIN	Germany	Rod
CuZn36Pb2As	GOST	Russia	Rod
CuZn36Pb2As	ONORM	Australia	Rod
CW602N	ONORM	Australia	Rod
CuZn36Pb2As	EN	European Union	Rod
CuZn36Pb2As	NBN	Belgium	Rod
CW602N	NBN	Belgium	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)**

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.