

## Material: ONORM CW602N

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

**Group:** Non Ferrous Copper Alloys

**Sub Group:** ONORM 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	Mechanical Properties	
Zinc	Zn %	Balance	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
CuZn36Pb2As	EN	European Union	Rod
CW602N	EN	European Union	Rod
CuZn36Pb2As	NBN	Belgium	Rod
CW602N	NBN	Belgium	Rod

**Disclaimer:** All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)



+91-99090 45075



[info@icastllp.com](mailto:info@icastllp.com)



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India