

## Material: ONORM CuZn36Pb2As

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

**Group:** Non Ferrous Copper Alloys

**Sub Group:** ONORM CuZn36Pb2As 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.		
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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
CW602N	ONORM	Australia	Rod
CuZn36Pb2As	EN	European Union	Rod
CW602N	EN	European Union	Rod
CuZn36Pb2As	NBN	Belgium	Rod
CW602N	NBN	Belgium	Rod

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