



## Material - CSN CuNi10Zn42Pb2

### Standard Specification for Copper and Copper Alloy Rod

Group - Non Ferrous Copper Alloys

Sub Group - CSN CuNi10Zn42Pb2 Copper and Copper Alloy Rod

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Rod

Chemical Composition			Heat Treatment	
Iron	Fe %	0.300 max.	As Raw or Solution Heat Treated	
Manganese	Mn %	0.500 max.		
Nickel	Ni %	9.000 - 11.000		
Lead	Pb %	1.000 - 2.500		
Tin	Sn %	0.200 max.		
Other	Ot %	0.200 max.		
Copper	Cu %	45.000 - 48.000		
Zinc	Zn %	Balance		
-	-	-	<b>Mechanical Properties</b>	
-	-	-	Tensile Strength in Mpa	460 min.
-	-	-	Yield Strength in Mpa	250 - 549.2
-	-	-	Elongation in %	5 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HV	115 - 230
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuNi10Zn42Pb2	DIN	Germany	Rod
CuNi10Zn42Pb2	SFS	Finland	Rod
CW402J	SFS	Finland	Rod
CuNi10Zn42Pb2	EN	European Union	Rod
CW402J	EN	European Union	Rod
CuNi10Zn42Pb2	UNI	Italy	Rod
CW402J	UNI	Italy	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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