

# Material: DIN 2.0780

## Standard Specification for Copper and Copper Alloy Rod

**Group:** Non Ferrous Copper Alloys

**Sub Group:** DIN 2.0780 Copper and Copper Alloy Rod

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

**Grade Belongs to the Industry:** Rod

Chemical Composition		
Iron	Fe %	0.300 max.
Manganese	Mn %	0.700 max.
Nickel	Ni %	11.000 - 13.000
Lead	Pb %	0.300 - 1.500
Other	Ot %	0.400 max.
Copper	Cu %	56.000 - 58.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw or Solution Heat Treated

Mechanical Properties	
Tensile Strength in Mpa	410 - 640
Yield Strength in Mpa	240 min.
Elongation in %	5 min.
Reduction of Area in %	-
Hardness in BHN	120 - 175
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuNi12Zn30Pb1	DIN	Germany	Rod
Ns5712Pb	DIN	Germany	Rod
CuNi12Zn30Pb1	BS	British	Rod
CW406J	BS	British	Rod
CuNi12Zn30Pb1	UNE	Spain	Rod
CW406J	UNE	Spain	Rod
CW406J	NS	Norway	Rod

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