

# Material: DIN Ns5712Pb

## Standard Specification for Copper and Copper Alloy Rod

**Group:** Non Ferrous Copper Alloys

**Sub Group:** DIN Ns5712Pb 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 %	0.500 max.
Manganese	Mn %	0.500 max.
Nickel	Ni %	11.000 - 13.000
Lead	Pb %	0.300 - 1.500
Tin	Sn %	0.300 max.
Other	Ot %	0.100 max.
Copper	Cu %	56.000 - 58.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw or Solution Heat Treated

Mechanical Properties	
Tensile Strength in Mpa	490 - 640
Yield Strength in Mpa	410 min.
Elongation in %	5 min.
Reduction of Area in %	-
Hardness in BHN	155 - 175
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuNi12Zn30Pb1	DIN	Germany	Rod
2.078	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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