



Material - JIS C 7941 B

Standard Specification for Copper Beryllium Alloy, Phosphor Bronze and Nickel Silver Rod, Bar and Wire

Group - Non Ferrous Copper Alloys

Sub Group - JIS C 7941 B Copper Beryllium Alloy, Phosphor Bronze and Nickel Silver Rod, Bar and Wire

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

Grade Belongs to the Industry - Rod, Bar and Wire

Chemical Composition			Heat Treatment	
Iron	Fe %	0.250 max.	As Raw or Solution Heat Treated	
Manganese	Mn %	0.500 max.		
Nickel	Ni %	16.500 - 19.500		
Lead	Pb %	0.800 - 1.800		
Copper	Cu %	60.000 - 64.000		
Zinc	Zn %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	410 - 685
			Yield Strength in Mpa	-
			Elongation in %	-
			Reduction of Area in %	-
			Hardness in HV	110 min.
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuNi18Zn19Pb1	DIN	Germany	Rod
CuNi 18 Zn 19 Pb	DIN	Germany	Rod
Ns6218Pb	DIN	Germany	Rod
MZN181	PN	Poland	Rod
NS 113	BS	British	Plate
CuNi18Zn19Pb1	UNI	Italy	Rod
CW408J	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

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