



Material - JIS C 5341 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 5341 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	
Phosphorus	P %	0.030 - 0.350	As Raw or Solution Heat Treated	
Lead	Pb %	0.800 - 1.500		
Tin	Sn %	3.500 - 5.800		
Copper	Cu %	99.500 max.		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	320 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	10 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HV	100 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuSn5Pb1	DIN	Germany	Rod
CuSn5Pb1	AFNOR NF	France	Rod
CW458K	AFNOR NF	France	Rod
CuSn5Pb1	SFS	Finland	Rod
CW458K	SFS	Finland	Rod
CuSn5Pb1	BDS	Bulgaria	Rod
CW458K	BDS	Bulgaria	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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.