

Material: IS 10742 Grade II

Standard Specification for Cast Gun Metal Rods and Bars

Group: Non-Ferrous Copper Alloy

Sub Group: IS 10742 Cast Gun Metal Rods and Bars

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

Belongs to the Industry: Rod and Bar

Chemical Composition			Heat Treatment	
Tin	Sn %	6.000 - 8.000	As-Cast	
Zinc	Zn %	1.500 - 3.000		
Lead	Pb %	2.500 - 5.500		
Nickel	Ni %	2.000 max.		
Iron	Fe %	0.350 max.		
Aluminium	Al %	0.010 max.		
Other	Ot%	0.700 max.		
Copper	Cu %	Balance		
-	-	-	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	250 min.
			Yield Strength in Mpa	-
			Elongation in %	16 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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