



Material - IS 10742 Grade I

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 %	4.000 - 6.000	As-Cast	
Zinc	Zn %	4.000 - 6.000		
Lead	Pb %	4.000 - 6.000		
Nickel	Ni %	2.000 max.		
Iron	Fe %	0.350 max.		
Aluminium	Al %	0.010 max.		
Other	Ot%	0.800 max.		
Copper	Cu %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	200 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	13 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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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