

# Material: IS 10742 Grade III

## 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		
Tin	Sn %	9.500 - 0.500
Zinc	Zn %	1.750 - 2.750
Lead	Pb %	1.500 max.
Nickel	Ni %	1.000 max.
Iron	Fe %	0.150 max.
Other	Ot%	0.500 max.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	270 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
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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