

Material: IS 1458 Class I

Standard Specification for Railway Bronze Ingots and Casting

Group: Non-Ferrous Copper Alloy

Sub Group: IS 1458 Railway Bronze Ingots and Casting

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

Belongs to the Industry: Ingots and Casting

Chemical Composition		
Tin	Sn %	6.000 - 8.000
Lead	Pb %	0.500 max.
Zinc	Zn %	0.500 max.
Phosphorus	P %	0.400 - 0.600
Iron	Fe %	0.300 max.
Antimony	Sb %	0.100 max.
Aluminium	Al %	0.010 max.
Other	Ot%	0.600 max.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	186 min.
Yield Strength in Mpa	-
Elongation in %	3 min.
Reduction of Area in %	-
Hardness in HB	60 min.
Impact in Joule	-

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