

Material: IS 1028

Standard Specification for Silicon Bronze Ingots and Castings

Group: Non-Ferrous Copper Alloy

Sub Group: IS 1028 Silicon Bronze Ingots and Castings

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

Belongs to the Industry: Ingot and Casting

Chemical Composition		
Silicon	Si %	1.000 - 5.000
Zinc	Zn %	5.000 max.
Iron	Fe %	2.500 max.
Manganese	Mn %	1.500 max.
Tin	Sn %	1.000 max.
Lead	Pb %	0.500 max.
Aluminium	Al %	1.500 max.
Copper	Cu %	89.000 min.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	310 min.
Yield Strength in Mpa	-
Elongation in %	20 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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