

Material: IS 2708 Grade 3

Standard Specification for Steel Castings for General Engineering Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: IS 2708 Grade 3 Steel Castings for General Engineering Purposes

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

Grade Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	0.250 - 0.330
Silicon	Si %	0.600 max.
Manganese	Mn %	1.200 - 1.600
Phosphorus	P %	0.050 max.
Sulphur	S %	0.050 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Cast or Annealing or Normalizing or Hardening and Tempering

Mechanical Properties	
Tensile Strength in Mpa	690 min.
Yield Strength in Mpa	495 min.
Elongation in %	13 min.
Reduction of Area in %	-
Hardness in BHN	201 - 255
Impact in Joule	22 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A5	BS	British	Casting
A6	BS	British	Casting
2074/L1B	AS	Australia	Casting
2708 Grade 2	IS	India	Casting
1527	SAE	USA	Casting
1527	AISI	USA	Bar
A 830 1527	ASTM	USA	Casting

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