

Material: BS 3100 Grade BL2

Standard Specification for Steel Castings for General Engineering Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: BS 3100 Grade BL2 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			Heat Treatment	
Carbon	C %	0.120 max.	As Cast or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	0.800 max.		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.030 max.		
Nickel	Ni %	3.000 - 4.000		
Iron	Fe %	Balance		
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-	-	-	Mechanical Properties Tensile Strength in Mpa 460 min. Yield Strength in Mpa 280 min. Elongation in % 20 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 20 J @ RT	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
2074/L3A	AS	Australia	Casting
503 LT 60	BS	British	Casting
20 N12-M	AFNOR NF	France	Casting
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