

Material: AFNOR NF 20 N12-M

Standard Specification for Steel Castings for General Engineering Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: AFNOR NF 20 N12-M 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 %	0.230 max.	As Cast or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.030 max.		
Nickel	Ni %	2.400 - 4.000		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 450 - 600 Yield Strength in Mpa 230 min. Elongation in % 18 min. Reduction of Area in % - Hardness in BHN 135 - 180 Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
BL2	BS	British	Casting
2074/L3A	AS	Australia	Casting
503 LT 60	BS	British	Casting
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