

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		
Carbon	C %	0.230 max.
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

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

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	-

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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