

Material: AFNOR NF A 420 C-M

Standard Specification for Steel Casting and Nickel Alloy Castings for Pump, Valve and Fitting

Group: Ferrous Mild Steel Alloys

Sub Group: AFNOR NF A 420 C-M Steel Casting and Nickel Alloy Castings for Pump, Valve and Fitting

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

Grade Belongs to the Industry: Pump, Valve and Fitting

Chemical Composition		
Carbon	C %	0.230 max.
Silicon	Si %	0.600 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.030 max.
Sulphur	S %	0.030 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
Normalizing or Quenching or Solution Annealing	
Mechanical Properties	
Tensile Strength in Mpa	420 min.
Yield Strength in Mpa	240 min.
Elongation in %	25 min.
Reduction of Area in %	-
Hardness in HB	130 - 165
Impact in Joule	24 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN 10213 GP240GH	BS	British	Plate, Tubes and Forging
A 216 Grade WCB	ASTM	USA	Casting
A 420 M	AFNOR NF	France	Pump, Valve and Fitting
Ao 17 CrMoV	MSZ	Hungary	Plate, Tubes and Forging
SCPH 1	JIS	Japan	Plate, Tubes and Forging
GP 240 GH	UNE	Spain	Plate, Tubes and Forging
1.0619	EN	European Union	Plate, Tubes and Forging

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