

Material: AFNOR NF G9Ni10

Standard Specification for Steel Castings for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: AFNOR NF G9Ni10 Steel Castings for Pressure Purposes

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

Grade Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	0.060 - 0.120
Silicon	Si %	0.600 max.
Manganese	Mn %	0.500 - 0.800
Phosphorus	P %	0.020 max.
Sulphur	S %	0.015 max.
Nickel	Ni %	2.000 - 3.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing + Tempering or Hardening + Tempering

Mechanical Properties	
Tensile Strength in Mpa	480 - 630
Yield Strength in Mpa	280 min.
Elongation in %	24 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SA-352 LC2	ASME	USA	Casting
1.5635	DIN	Germany	Steel
G22Ni10	UNI	Italy	Casting
J22500	UNS	USA	Casting
SCPL 21	JIS	Japan	Casting
F.8373	UNE	Spain	Casting
A352 LC2	ASTM	USA	Casting

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