

Material: PN 0H18N12Nb

Standard Specification for Steel Castings for General Engineering Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: PN 0H18N12Nb 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 %	0.080 max.	As Cast or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	0.800 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	17.000 - 19.000		
Nickel	Ni %	10.000 - 13.000		
Niobium	Nb %	1.100 max.		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	480 min.
-	-	-	Yield Strength in Mpa	215 min.
-	-	-	Elongation in %	22 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
347C17	BS	British	Casting
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