

Material: ASTM A990 N2M

Standard Specification for Castings, Iron-Nickel-Chromium and Nickel Alloys, Specially Controlled for Pressure Retaining Parts for Corrosive Service

Group: Non Ferrous Nickel Alloys

Sub Group: ASTM A990 N2M Iron-Nickel-Chromium and Nickel Alloys, Specially Controlled for Pressure Retaining Parts for Corrosive Service

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.020 max.	Solution Annealing	
Silicon	Si %	0.800 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	1.000 max.		
Copper	Cu %	0.200 max.		
Molybdenum	Mo %	30.000 - 33.000		
Tungsten	W %	0.200 max.	Mechanical Properties	
Vanadium	V %	0.200 max.	Tensile Strength in Mpa	525 min.
Iron	Fe %	3.000 max.	Yield Strength in Mpa	275 min.
Nickel	Ni %	Balance	Elongation in %	20 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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