

Material: ASTM B872 N07740

Standard Specification for Precipitation-Hardening Nickel Alloys Plate, Sheet and Strip

Group: Non-Ferrous Nickel Alloys

Sub Group: ASTM B872 N07740 Precipitation-Hardening Nickel Alloys Plate, Sheet and Strip

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

Grade Belongs to the Industry: Plate, Sheet and Strip

Chemical Composition			Heat Treatment	
Carbon	C %	0.005 - 0.080	As-Cast or Annealing or Age Hardning	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	23.500 - 25.500		
Molybdenum	Mo %	2.000 max.		
Cobalt	Co %	15.000 - 22.000		
Aluminium	Al %	0.200 - 2.000		
Nb + Ta	Nb% + Ta%	0.500 - 2.500		
Titanium	Ti %	0.500 - 2.500		
Boron	B %	0.0006 - 0.006		
			Mechanical Properties	
Copper	Cu %	0.500 max.	Tensile Strength in Mpa	1034 min.
Iron	Fe %	3.000 max.	Yield Strength in Mpa	621 min.
Phosphorus	P %	0.030 max.	Elongation in %	20 min.
Sulphur	S %	0.030 max.	Reduction of Area in %	-
Nickel	Ni %	Balance	Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Inconel Alloy 740H	Gravity	India	Plate, Sheet and Strip
B983 N07740	ASTM	USA	Plate, Sheet and Strip
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-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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Customer Care: +91-99090 45075 Email: info@icastllp.com