

Material: ASTM B983 N07740

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

Group: Non-Ferrous Nickel Alloys

Sub Group: ASTM B983 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	1035 min.
Iron	Fe %	3.000 max.	Yield Strength in Mpa	620 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
B872 N07740	ASTM	USA	Plate, Sheet and Strip
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

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