

Material - ASTM B 805 N07725

Standard Specification for Precipitation Hardening Nickel Alloys Bar and Wire

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 805 N07725 Precipitation Hardening Nickel Alloys Bar and Wire

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

Grade Belongs to the Industry - Bar and Wire

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.200 max.		
Manganese	Mn %	0.350 max.		
Chromium	Cr %	19.000 - 22.500		
Sulphur	S %	0.010 max.		
Molybdenum	Mo %	7.000 - 9.500		
Phosphorus	P %	0.015 max.		
Niobium	Nb %	2.750 - 4.000	Mechanical Properties Tensile Strength in Mpa 758 min. Yield Strength in Mpa 310 min. Elongation in % 20 min. Reduction of Area in % 35 min. Hardness in BHN - Impact in Joule -	
Titanium	Ti %	1.000 - 1.700		
Aluminium	Al %	0.350 max.		
Nickel	Ni %	55.000 - 59.000		
Iron	Fe %	Balance		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 872 N07725	ASTM	USA	Plate, Sheet and Strip
B 983 N07725 Type 1	ASTM	USA	Pipe and Tube
B 983 N07725 Type 2	ASTM	USA	Pipe and Tube
B1007 N07725 Type 1	ASTM	USA	Tube
B1007 N07725 Type 2	ASTM	USA	Tube
B1007 N07725 Type 3	ASTM	USA	Tube
N07725	UNS	USA	Pipe and Tube

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.