

Material: UNS N04400

Standard Specification for Nickel Alloy

Group: Non-Ferrous Nickel Alloys

Sub Group: UNS N04400 Nickel Alloy

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

Grade Belongs to the Industry: Tube

Chemical Composition			Heat Treatment	
Carbon	C %	0.300 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.500 max.		
Manganese	Mn %	2.000 max.		
Nickel	Ni %	63.000 - 70.000		
Sulphur	S %	0.024 max.		
Iron	Fe %	2.500 max.		
Copper	Cu %	Balance		
-	-	-		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	485 - 585
-	-	-	Yield Strength in Mpa	195 min.
-	-	-	Elongation in %	2 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HRC	68 - 94
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 163 N04400	ASTM	USA	Tube
B 127 N04400	ASME	USA	Plate, Sheet and Strip
SB 163 N04400	ASTM	USA	Tube
Monel 400	SAE	USA	Sheet, Strip and Plate
B 164 N04400	ASTM	USA	Rod, Bar and Wire
NW4400	JIS	Japan	Plate, Sheet and Strip
B 165 N04400	ASTM	USA	Pipe and Tube

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