GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

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		
Carbon	C %	0.300 max.
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

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

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com