

# Material: SAE Monel 400

## Standard Specification for Nickel-Copper Alloy, Corrosion Resistant Sheet, Strip and Plate

**Group:** Non-Ferrous Nickel Alloys

**Sub Group:** SAE Monel 400 Nickel-Copper Alloy, Corrosion Resistant Sheet, Strip and Plate

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

**Grade Belongs to the Industry:** Sheet, Strip and Plate

Chemical Composition		
Carbon	C %	0.300 max.
Silicon	Si %	0.024 max.
Manganese	Mn %	2.000 max.
Iron	Fe %	2.500 max.
Sulphur	S %	0.024 max.
Nickel	Ni %	63.000 - 70.000
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

Mechanical Properties	
Tensile Strength in Mpa	483 - 1173
Yield Strength in Mpa	172 - 1104
Elongation in %	2 - 50
Reduction of Area in %	50 - 75
Hardness in HRC	60 - 96
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
F467 Ni400	ASTM	USA	Sheet, Strip and Plate
F468 Ni400HF	ASTM	USA	Sheet, Strip and Plate
SF467 Ni400	ASME	USA	Sheet, Strip and Plate
SF-468 Ni400	ASME	USA	Sheet, Strip and Plate
SF-468 Ni400HF	ASME	USA	Sheet, Strip and Plate
NCuR	JIS	Japan	Strip
-	-	-	-

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