

Material: UNS N06250

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

Group: Non-Ferrous Nickel Alloys

Sub Group: SAE Inconel 625 Nickel Alloy, Corrosion and Heat-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 %	0.020 max.
Silicon	Si %	0.090 max.
Manganese	Mn %	1.000 max.
Chromium	Cr %	20.000 - 23.000
Molybdenum	Mo %	10.100 - 12.000
Phosphorus	P %	0.030 max.
Sulphur	S %	0.005 max.
Tungsten	W %	0.250 - 1.250
Copper	Cu %	0.250 - 1.250
Nickel	Ni %	50.000 - 54.000
Iron	Fe %	5.000 max.
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
As-Cast or Annealing or Age Hardning	

Mechanical Properties	
Tensile Strength in Mpa	689 - 1104
Yield Strength in Mpa	276 - 759
Elongation in %	25 - 65
Reduction of Area in %	-
Hardness in BHN	110 - 287
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Inconel 625	SAE	USA	Sheet, Strip and Plate
B622 N06250	ASTM	USA	Pipe and Tube
SB-622 N06250	ASME	USA	Pipe and Tube
F3056 N06625 CLASS A	ASTM	USA	Pipe and Tube
F3056 N06625 CLASS B	ASTM	USA	Pipe and Tube
F3056 N06625 CLASS C	ASTM	USA	Pipe and Tube
SIMALLOY 625	SAE	USA	Pipe and Tube

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