

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			Heat Treatment	
Carbon	C %	0.020 max.	As-Cast or Annealing or Age Hardning	
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	Mechanical Properties	
Nickel	Ni %	50.000 - 54.000	Tensile Strength in Mpa	689 - 1104
Iron	Fe %	5.000 max.	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

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com