

Material: ASTM A 249 S31050

Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications

Group: Ferrous Stainless Steel Alloys

Sub Group: ASTM A 249 S31050 Chromium and Chromium-Nickel Stainless Steel for Pressure Vessels and for General Applications

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

Grade Belongs to the Industry: Steel and Tube

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	Solution Annealing	
Silicon	Si %	0.400 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	24.000 - 26.000		
Molybdenum	Mo %	2.000 - 3.000		
Nickel	Ni %	21.000 - 23.000		
Nitrogen	N %	0.100 - 0.160		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	540 min.
-	-	-	Yield Strength in Mpa	255 min.
-	-	-	Elongation in %	25 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HRB	95 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A240 UNS S31050	ASTM	USA	Steel, Plate, Sheet and Strip
S31050	UNS	USA	Steel
A213 S31050	ASTM	USA	Steel and Tube
A312 S31050	ASTM	USA	Steel and Pipe
A943 S31050	ASTM	USA	Steel and Pipe
SA-312 UNS S31050	ASME	USA	Steel and Pipe
A182 F 310MoLN	ASTM	USA	Steel, Pipe and Forging

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