

Material: ASTM A240 UNS S31060

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 A240 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, Plate, Sheet and Strip

Chemical Composition			Heat Treatment	
Carbon	C %	0.050 - 0.100	Solution Annealing	
Silicon	Si %	0.500 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	22.000 - 24.000		
Nickel	Ni %	10.000 - 12.500		
Nitrogen	N %	0.180 - 0.250		
Ce + La	Ce + La	0.025 - 0.070		
Boron	B %	0.001 - 0.010	Mechanical Properties	
Iron	Fe %	Balance	Tensile Strength in Mpa	600 min.
-	-	-	Yield Strength in Mpa	280 min.
-	-	-	Elongation in %	40 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	217 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A451 CPE20N	ASTM	USA	Centrifugal Cast Steel Pipes
J92802	UNS	USA	Casting
J92805	UNS	USA	Casting
A213 S31060	ASTM	USA	Tube
A240 S31060	ASTM	USA	Steel, Plate, Sheet and Strip
A959 S31060	ASTM	USA	Steel
SA-213 S31060	ASME	USA	Steel

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