

Material: ASTM A240 UNS S35315

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 %	0.040 - 0.080	Solution Annealing			
Silicon	Si %	1.200 - 2.000				
Manganese	Mn %	2.000 max.				
Phosphorus	P %	0.040 max.				
Sulphur	S %	0.030 max.				
Chromium	Cr %	24.000 - 26.000				
Nickel	Ni %	34.000 - 36.000				
Nitrogen	N %	0.120 - 0.180				
Cerium	Ce %	0.030 - 0.100				
Iron	Fe %	Balance				
-	-	-	Mechanical Properties			
-	-	-			Tensile Strength in Mpa	650 min.
-	-	-			Yield Strength in Mpa	270 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
S35315	UNS	USA	Steel
A167 S35315	ASTM	USA	Steel, Sheet, Plate and Strip
A312 S35315	ASTM	USA	Steel and Pipe
A959 S35315	ASTM	USA	Steel
SA-240 UNS S35135	ASME	USA	Steel
SA-312 UNS S35135	ASME	USA	Steel and Pipe
X 6 NiCrSiNce 35 25	EN	European Union	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