

Material: ASTM A 312 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 A 312 S35315 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 Pipe

Chemical Composition		
Carbon	C %	0.040 - 0.080
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 - 0.080
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
	Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	600 min.
Yield Strength in Mpa	260 min.
Elongation in %	25 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A240 UNS S35315	ASTM	USA	Steel, Plate, Sheet and Strip
S35315	UNS	USA	Steel
A167 S35315	ASTM	USA	Steel, Sheet, Plate and Strip
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

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