

Material: ASTM A 959 S35045

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 959 S35045 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

Chemical Composition		
Carbon	C %	0.060 - 0.100
Silicon	Si %	1.000 max.
Manganese	Mn %	1.500 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	25.000 - 29.000
Nickel	Ni %	32.000 - 37.000
Aluminium	Al %	0.150 - 0.600
Titanium	Ti %	0.150 - 0.600
Copper	Cu %	0.750 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
	Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	485 min.
Yield Strength in Mpa	170 min.
Elongation in %	35 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A240 UNS S35045	ASTM	USA	Steel, Plate, Sheet and Strip
S35045	UNS	USA	Steel
A312 S35045	ASTM	USA	Steel and Pipe
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India