

Material: ASTM A240 UNS S43035

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 %	0.030 max.	Annealing or Hardening + Tempering													
Silicon	Si %	1.000 max.														
Manganese	Mn %	1.000 max.														
Phosphorus	P %	0.040 max.														
Sulphur	S %	0.030 max.														
Chromium	Cr %	17.000 - 19.000														
Nickel	Ni %	0.500 max.														
Nitrogen	N %	0.030 max.														
Titanium	Ti %	0.200+4(C+N) -														
Aluminium	Al %	0.150 max.														
Iron	Fe %	Balance	Mechanical Properties <table border="1"> <tr> <td>Tensile Strength in Mpa</td> <td>415 min.</td> </tr> <tr> <td>Yield Strength in Mpa</td> <td>205 min.</td> </tr> <tr> <td>Elongation in %</td> <td>22 min.</td> </tr> <tr> <td>Reduction of Area in %</td> <td>-</td> </tr> <tr> <td>Hardness in BHN</td> <td>183 max.</td> </tr> <tr> <td>Impact in Joule</td> <td>-</td> </tr> </table>		Tensile Strength in Mpa	415 min.	Yield Strength in Mpa	205 min.	Elongation in %	22 min.	Reduction of Area in %	-	Hardness in BHN	183 max.	Impact in Joule	-
Tensile Strength in Mpa	415 min.															
Yield Strength in Mpa	205 min.															
Elongation in %	22 min.															
Reduction of Area in %	-															
Hardness in BHN	183 max.															
Impact in Joule	-															
-	-	-														
-	-	-														
-	-	-														
-	-	-														
-	-	-														

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
S43035	UNS	USA	Steel
A959 S43035	ASTM	USA	Steel
439	SAE	USA	Steel
A479 439	ASTM	USA	Steel and Bar
A803 Grade TP 439	ASTM	USA	Steel and Tube
A959 Type 439	ASTM	USA	Steel
SA-240 439	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