

Material: SAE 439

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: SAE 439 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			Heat Treatment	
Carbon	C %	0.070 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 %	0.040 max.		
Titanium	Ti %	1.100 max.		
Aluminium	Al %	0.150 max.		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 455 min. Yield Strength in Mpa 290 min. Elongation in % - Reduction of Area in % - Hardness in HRC 73 max. Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A240 UNS S43035	ASTM	USA	Steel, Plate, Sheet and Strip
S43035	UNS	USA	Steel
A959 S43035	ASTM	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