

Material: ASME SA-240 UNS S32803

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: ASME SA-240 UNS S32803 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 %	0.015 max.	Solution Annealing	
Silicon	Si %	0.550 max.		
Manganese	Mn %	0.500 max.		
Phosphorus	P %	0.020 max.		
Sulphur	S %	0.0035 max.		
Chromium	Cr %	28.000 - 29.000		
Nickel	Ni %	3.000 - 4.000		
Molybdenum	Mo %	1.800 - 2.500		
Nitrogen	N %	0.020 max.	Mechanical Properties	
Niobium	Nb %	0.150 - 0.500	Tensile Strength in Mpa	600 min.
C + N	C% + N%	0.030 max.	Yield Strength in Mpa	500 min.
Iron	Fe %	Balance	Elongation in %	16 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	241 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A240 UNS S32803	ASTM	USA	Steel, Plate, Sheet and Strip
S32803	UNS	USA	Steel
A176 S32803	ASTM	USA	Steel, Sheet, Plate and Strip
A959 S32803	ASTM	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