

Material - ASTM A240 UNS S20161

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 %	0.150 max.	Solution Annealing	
Silicon	Si %	3.000 - 4.000		
Manganese	Mn %	4.000- 6.000		
Phosphorus	P%	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr%	15.000- 18.000		
Nickel	Ni%	4.000- 6000		
Nitrogen	N%	0.080- 0.200		
Iron	Fe%	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 860 min. Yield Strength in Mpa 345 min. Elongation in % 40 min. Reduction of Area in % - Hardness in HB 255 max. Impact in Joule -	
-	-	-		
-	-	-		
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-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
S10161	UNS	USA	Steel
A276S20161	ASTM	USA	Steel, Bar and Shape
A479S20161	ASTM	USA	Steel and Bar
A959S20161	ASTM	USA	Steel
SA-240UNS S20161	ASME	USA	Steel
SA-276S20161	ASME	USA	Steel, Bar and Shape
SA-479UNS S20161	ASME	USA	Steel and Bar

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Customer Care: +91-99090 45075 Email: info@icastllp.com