

Material - ASTM A240 UNS S31727

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.	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	17.500 - 19.000		
Nickel	Ni %	14.500 - 16.500		
Molybdenum	Mo %	3.800 - 4.500		
Nitrogen	N %	0.150 - 0.210	Mechanical Properties	
Copper	Cu %	2.800 - 4.000	Tensile Strength in Mpa	550 min.
Iron	Fe %	Balance	Yield Strength in Mpa	245 min.
-	-	-	Elongation in %	35 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	217 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
S31727	UNS	USA	Steel
A409 S31727	ASTM	USA	Steel
A813 S31727	ASTM	USA	Steel
A814 S31727	ASTM	USA	Steel
A959 S31727	ASTM	USA	Steel
SA 182 F 72	ASME	USA	Steel
SA-182 S31727	ASME	USA	Steel

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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