

Material - ASTM A240 UNS S42900

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 %	0.120 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%	14.000- 16.000		
Iron	Fe%	Balance		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	450 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
S42900	UNS	USA	Steel
429	SAE	USA	Steel
STS429	KS	Korea	Steel, Sheet, Plate and Strip
SUS429	JIS	Japan	Steel, Sheet, Plate and Strip
A182F429	ASTM	USA	Steel, Pipe and Forging
A276429	ASTM	USA	Steel, Bar and Shape
A959 Type 429	ASTM	USA	Steel

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