

Material - ASTM A240 UNS S32906

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 %	0.500 max.		
Manganese	Mn %	0.800 - 1.500		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	28.000 - 30.000		
Nickel	Ni %	5.800 - 7.500		
Molybdenum	Mo %	1.500 - 2.600		
Nitrogen	N %	0.300 - 0.400	Mechanical Properties	
Copper	Cu %	0.800 max.	Tensile Strength in Mpa	800 min.
Iron	Fe %	Balance	Yield Strength in Mpa	650 min.
-	-	-	Elongation in %	25 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	310 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
S32906	UNS	USA	Steel
A789 S32906	ASTM	USA	Steel and Tube
A959 S32906	ASTM	USA	Steel
A182 F 65	ASTM	USA	Steel
A479 S32906	ASTM	USA	Steel
A789 S32906	ASTM	USA	Steel
A790 S32906	ASTM	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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