

Material - ASTM A 312 S35045

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 A 312 S35045 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 and Pipe

Chemical Composition			Heat Treatment	
Carbon	C %	0.060 - 0.100		
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.500 max.	Solution Annealing	
Sulphur	S %	0.015 max.		
Chromium	Cr %	25.000 - 29.000		
Nickel	Ni %	32.000 - 37.000		
Aluminium	Al %	0.150 - 0.600		
Titanium	Ti %	0.150 - 0.600		_
Copper	Cu %	0.750 max.	Mechanical Properties	
Iron	Fe %	Balance	Tensile Strength in Mpa	485 min.
-	-	-	Yield Strength in Mpa	170 min.
-	-	-	Elongation in %	25 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impac <mark>t in Joule</mark>	-

Cross Reference Table					
Material	Standard	Country	Grade Belong to the Industry		
A240 UNS S35045	ASTM	USA	Steel, Plate, Sheet and Strip		
S35045	UNS	USA	Steel		
A959 S35045	ASTM	USA	Steel		
-	-	-	-		
-	-	-	-		
-	-	-	-		
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Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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