

Material: JIS SUS 316Ti

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: JIS SUS 316Ti 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, Wire and Rod

Chemical Composition			Heat Treatment	
Carbon	C %	0.080 max.	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	16.000 - 18.000		
Molybdenum	Mo %	2.000 - 3.000		
Nickel	Ni %	10.000 - 14.000		
Titanium	Ti %	0.500 max.		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	520 min.
-	-	-	Yield Strength in Mpa	205 min.
-	-	-	Elongation in %	33.8 min.
-	-	-	Reduction of Area in %	50 min.
-	-	-	Hardness in HB	187 max.
-	-	-	Impact in Joule	49.8 - 188.8 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A240 UNS S31635	ASTM	USA	Steel, Plate, Sheet and Strip
316Ti	AS	Australia	Steel, Sheet, Plate and Strip
316Ti	SAE	USA	Steel
STS 316 Ti	KS	Korea	Steel, Sheet, Plate and Strip
A276 316 Ti	ASTM	USA	Steel, Bar and Shapes
A314 316 Ti	ASTM	USA	Steel, Bar, Rolling and Forging
A479 316 Ti	ASTM	USA	Steel and Bar

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

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