GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - KS D 3698 STS316Ti

Standard Specification for Cold-Rolled Stainless Steel Sheet and Strip

Group - Ferrous Stainless Steel Alloys

Sub Group - KS D 3698 STS316Ti Cold-Rolled Stainless Steel Sheet and Strip

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Sheet and Strip

Chemical Composition		
Carbon	C %	0.080 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Nickel	Ni %	10.000 - 14.000
Chromium	Cr %	16.000 - 18.000
Molybdenum	Mo %	2.000 - 3.000
Titanium	Ti %	0.005 min.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	520 min.
Yield Strength in Mpa	205 min.
Elongation in %	40 min.
Reduction of Area in %	-
Hardness in HB	187 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
1449 316Ti	AS	Australia	Plate, Sheet and Strip
J 405 316Ti	SAE	USA	Steel
A 167 Type 316Ti	ASTM	USA	Plate, Sheet and Strip
A 240 Type 316Ti	ASTM	USA	Plate, Sheet and Strip
A 276 316Ti	ASTM	USA	Bars and Shapes
A 314 316Ti	ASTM	USA	Steel and Forging
A 368 Type 316Ti	ASTM	USA	Steel and Wire

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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