GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - KS D 3698 STS631 (TH1050)

Standard Specification for Cold-Rolled Stainless Steel Sheet and Strip

Group - Ferrous Stainless Steel Alloys

Sub Group - KS D 3698 STS631 (TH1050) 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 %	0.090 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	16.000 - 18.000
Nickel	Ni %	6.500 - 7.750
Aluminium	Al %	0.750 - 1.500
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	1140 min.
Yield Strength in Mpa	960 min.
Elongation in %	5 min.
Reduction of Area in %	-
Hardness in HV	345 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
G 4312 SUS 631	JIS	Japan	Plate and Sheet
142338 2388	SS	Sweden	Steel
35-573 Z 9 CNA 17-07	AFNOR NF	France	Steel
EN 10088-3 1.4568	DIN	Germany	Steel
10088-3 1.4568	EN	European Union	Steel
2056 301 S 81	B.S.	United Kingdom	Steel
A 313 Type 631	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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