GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - KS D 3698 STSXM27

Standard Specification for Cold-Rolled Stainless Steel Sheet and Strip

Group - Ferrous Stainless Steel Alloys

Sub Group - KS D 3698 STSXM27 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 %	0.010 max.
Silicon	Si %	0.400 max.
Manganese	Mn %	0.400 max.
Phosphorus	P %	0.030 max.
Sulphur	S %	0.020 max.
Chromium	Cr %	25.000 - 27.500
Molybdenum	Mo %	0.750 - 1.500
Nitrogen	N %	0.015 max.
Nickel	Ni %	0.500 max.
Copper	Cu %	0.200 max.
Ni + Cu	Ni% + Cu%	0.500 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Quenching + Tempering

Mechanical Properties	
Tensile Strength in Mpa	410 min.
Yield Strength in Mpa	245 min.
Elongation in %	22 min.
Reduction of Area in %	-
Hardness in HB	192 max.
Impact in Joule	-

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
A 176 Type XM-27	ASTM	USA	Plate, Sheet and Strip
A 240 Type XM-27	ASTM	USA	Plate, Sheet and Strip
A 268 TPXM-27	ASTM	USA	Steel and Tubing
A 276 XM-27	ASTM	USA	Bars and Shapes
A 314 XM-27	ASTM	USA	Bars and Forging
A 479 Type XM-27	ASTM	USA	Bars and Shapes
A 731 Grade TP XM-27	ASTM	USA	Steel and Pipe

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.