GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-268 TPXM-27

Standard Specification for Seamless and Welded Ferritic and Martensitic Stainless Steel Tubing for General Service

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-268 TPXM-27 Seamless and Welded Ferritic and Martensitic Stainless Steel Tubing for General Service

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

Grade Belongs to the Industry - Tubing

Chemical Composition		
Carbon	C %	0.010 max.
Manganese	Mn %	0.400 max.
Phosphorus	P %	0.020 max.
Sulphur	S %	0.020 max.
Silicon	Si %	0.400 max.
Nickel	Ni %	0.500 max.
Chromium	Cr %	25.000 - 27.500
Molybdenum	Mo %	0.750 - 1.500
Copper	Cu %	0.200 max.
Nitrogen	N %	0.015 max.
Niobium	Nb %	0.050 - 0.200
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Tempering or As-Raw

Mechanical Properties	
Tensile Strength in Mpa	450 min.
Yield Strength in Mpa	275 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in BHN	241 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
D 3698 STS XM27	KS	Korea	Plate, Sheet and Strip
J 405 XM-27	SAE	USA	Steel
G 4305 SUS XM27	JIS	Japan	Plate, Sheet and Strip
G 3463 SUS XM27 TB	JIS	Japan	Steel and Tubing
A 176 Type XM-27	ASTM	USA	Plate, Sheet and Strip
A 240 Type XM-27	ASTM	USA	Plate, Sheet and Strip
A 276 XM-27	ASME	USA	Steel, Bar and Shapes

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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