GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A270 Grade TP 316L

Standard Specification for Seamless and Welded Austenitic and Ferritic/Austenitic Stainless Steel Sanitary Tubing

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A270 Grade TP 316L Seamless and Welded Austenitic and Ferritic/Austenitic Stainless Steel Sanitary Tubing

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

Grade Belongs to the Industry - Tubing

Chemical Composition		
Carbon	C %	0.035 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.030 max.
Silicon	Si %	1.000 max.
Nickel	Ni %	10.000 - 14.000
Chromium	Cr %	16.000 - 18.000
Molybdenum	Mo %	2.000 - 3.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	485 min.
Yield Strength in Mpa	170 min.
Elongation in %	35 min.
Reduction of Area in %	-
Hardness in HRC	B90 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S31603	UNS	USA	Steel
J 405 30316L	SAE	USA	Steel
J 405 316L	SAE	USA	Steel
2837 316L	AS	Australia	Steel and Bars
A 167 Type 316L	ASTM	USA	Plate, Sheet and Strip
A 276 316L	ASTM	USA	Bars and Shapes
SA-276 316L	ASME	USA	Bars 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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