

Material - ASTM A 576 15L27

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel and Bar

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A 576 15L27 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel and Bar

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade Belongs to the Industry - Steel and Bar

Chemical Composition			Heat Treatment	
Carbon	C %	0.220 - 0.290		
Manganese	Mn %	1.200 - 1.500	As Raw or Annealing or Normalizing or Hardening and Tempering	
Phosphorus	P %	0.040 max.		alizing or Hardoning and
Sulphur	S %	0.050 max.		
Boron	В%	0.0005 - 0.003		
Lead	Pb %	0.150 - 0.350		
Silicon	Si %	0.100 max.		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	520 - 570
-	-	-	Yield Strength in Mpa	280 min.
-	-	-	Elongation in %	12 min.
-	-	-	Reduction of Area in %	35 - 40
-	-	-	Hardness in HB	149 - 163
-	-	-	Impac <mark>t in Joule</mark>	-

Cross Reference Table				
Material	Standard	Country Grade Belong to the Industry		
G15270	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing	
1527	SAE	USA	Plate, Strip, Sheets and Tubing	
1527	AISI	USA	Steel	
A 29 1527	ASTM	USA	Steel and Bar	
A 510 1527	ASTM	USA	Wire Rod, Round Wire and Steel	
A 830 1527	ASTM	USA	Plate and Steel	
A 830 G15270	ASTM	USA	Plate and Steel	

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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