

Material: ASTM A 576 10L84

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 10L84 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 %	0.800 - 0.930	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	0.600 - 0.900		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.050 max.		
Boron	B %	0.0005 - 0.003		
Copper	Cu %	0.200 min.		
Lead	Pb %	0.150 - 0.350		
Silicon	Si %	0.100 max.		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	690 - 820
-	-	-	Yield Strength in Mpa	450 min.
-	-	-	Elongation in %	10 min.
-	-	-	Reduction of Area in %	25 - 40
-	-	-	Hardness in HB	192 - 241
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10840	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1084	SAE	USA	Steel
1084	AISI	USA	Steel and Bar
A 1040 1084	ASTM	USA	Steel
A 29 1084	ASTM	USA	Steel and Bar
A 510 1084	ASTM	USA	Wire Rods, Round Wire and Steel
A 713 G10840	ASTM	USA	Steel and Bar

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