

Material: ASTM A 713 G10840

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.		
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 -	
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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 576 10L84	ASTM	USA	Steel and Bar

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