



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A 510 1084

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Wire Rods, Round Wire and Steel

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A 510 1084 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Wire Rods, Round Wire and Steel

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

Grade Belongs to the Industry - Wire Rods, Round Wire and Steel

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 %	0.0008 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 576 10L84	ASTM	USA	Steel and Bar
A 713 G10840	ASTM	USA	Steel and Bar

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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