

Material: ASTM A 510 1080

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 1080 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 %	0.750 - 0.880	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		
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-	-	-	Mechanical Properties Tensile Strength in Mpa 680 - 2310 Yield Strength in Mpa 420 min. Elongation in % 10 min. Reduction of Area in % 25 - 40 Hardness in HB 192 - 229 Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10800	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1080	SAE	USA	Steel
1080	AISI	USA	Steel and Bar
A 1040 1080	ASTM	USA	Steel
A 29 1080	ASTM	USA	Steel and Bar
A 576 10L80	ASTM	USA	Steel and Bar
A 682 G10800	ASTM	USA	Steel and Strip

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