

Material: ASTM A 510 1037

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

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 510 1037 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Wire Rod and Round Wire

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

Grade Belongs to the Industry: Wire Rod and Round Wire

Chemical Composition			Heat Treatment	
Carbon	C %	0.320 - 0.380	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	0.700 - 1.000		
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 510 - 570 Yield Strength in Mpa 280 min. Elongation in % 12 min. Reduction of Area in % 35 - 40 Hardness in HB 143 - 167 Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10370	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1037	SAE	USA	Steel
1037	AISI	USA	Steel and Bar
A 1040 1037	ASTM	USA	Steel
A 29 1037	ASTM	USA	Steel and Bar
A 576 10L37	ASTM	USA	Steel and Bar
A 830 1037	ASTM	USA	Plate

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