

Material: ASTM A 108 Grade 1010

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Bar and Sheet

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 108 Grade 1010 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Bar and Sheet

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

Grade Belongs to the Industry: Bar and Sheet

Chemical Composition			Heat Treatment
Carbon	C %	0.080 - 0.130	As Raw or Annealing or Normalizing or Hardening and Tempering
Manganese	Mn %	0.300 - 0.600	
Phosphorus	P %	0.040 max.	
Sulphur	S %	0.050 max.	
Lead	Pb %	0.150 - 0.350	
Silicon	Si %	0.100 max.	
Iron	Fe %	Balance	
-	-	-	
-	-	-	
-	-	-	
Mechanical Properties			
			Tensile Strength in Mpa
			275 - 655
			Yield Strength in Mpa
			170 min.
			Elongation in %
			5 min.
			Reduction of Area in %
			40 - 50
			Hardness in HB
			95 - 105
			Impact in Joule
			-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10100	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1010	SAE	USA	Sheet and Tubing
1010	AISI	USA	Tubing
A 1040 1010	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 29 1010	ASTM	USA	Bar
A 29 M1010	ASTM	USA	Bar
A 510 1010	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing

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