Material: ASTM A 510 1010

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Bars, To Wire Rods, Plates, Strip, Sheets and Tubing

Group: *Ferrous Mild Steel Alloys*

Sub Group: *ASTM A 510 1010 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Bars, To* **Wire Rods, Plates, Strip, Sheets and Tubing**

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

Grade Belongs to the Industry: *Bars, Wire Rods, Plates, Strip, Sheets and Tubing*

Chemical Composition		
Carbon	C %	0.080 - 0.130
Manganese	Mn %	0.300 - 0.600
Phosphorus	P %	0.040 max.
Sulphur	S %	0.050 max.
Boron	B %	0.0008 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw or Annealing or Normalizing or Hardening and Tempering

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 108 Grade 1010	ASTM	USA	Bar and Sheet
A 29 1010	ASTM	USA	Bar
A 29 M1010	ASTM	USA	Bar

Customer Care: +91-99090 45075 Email: info@icastllp.com