

Material: ASTM A 830 1037

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Plates

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 830 1037 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Plates

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

Grade Belongs to the Industry: Plate

Chemical Composition		
Carbon	C %	0.320 - 0.380
Manganese	Mn %	0.700 - 1.000
Phosphorus	P %	0.030 max.
Sulphur	S %	0.030 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

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

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	-

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 510 1037	ASTM	USA	Wire Rod and Round Wire
A 576 10L37	ASTM	USA	Steel and Bar

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