

Material: ASTM A 830 G15240

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled Plate and Steel

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 830 G15240 Carbon Steel Compositions For Forging To Hot-Rolled Plate and Steel

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

Grade Belongs to the Industry: Plate and Steel

Chemical Composition		
Carbon	C %	0.190 - 0.250
Manganese	Mn %	1.350 - 1.650
Phosphorus	P %	0.035 max.
Sulphur	S %	0.040 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 - 42
Hardness in HB	149 - 163
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G15240	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1524	SAE	USA	Steel
1524	AISI	USA	Steel and Bar
A 29 1524	ASTM	USA	Steel and Bar
A 510 1524	ASTM	USA	Wire Rod, Round Wire and Steel
A 513 Grade 1524	ASTM	USA	Tubing
A 519 1524	ASTM	USA	Tubing

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