

Material: SAE 1548

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

Group: Ferrous Mild Steel Alloys

Sub Group: SAE 1548 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel

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

Grade Belongs to the Industry: Steel

Chemical Composition		
Carbon	C %	0.440 - 0.520
Manganese	Mn %	1.100 - 1.400
Phosphorus	P %	0.030 max.
Sulphur	S %	0.035 max.
Lead	Pb %	0.150 - 0.350
Boron	B %	0.0005 - 0.003
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

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

Mechanical Properties	
Tensile Strength in Mpa	640 - 730
Yield Strength in Mpa	370 min.
Elongation in %	10 min.
Reduction of Area in %	28 - 35
Hardness in HB	192 - 217
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G15480	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1548	AISI	USA	Steel and Bar
A 29 1548	ASTM	USA	Steel and Bar
A 510 1548	ASTM	USA	Wire Rod, Round Wire and Steel
A 576 15L48	ASTM	USA	Steel and Bar
A 830 1548	ASTM	USA	Plate and Steel
A 830 G15480	ASTM	USA	Plate and Steel

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