

Material: ASTM A 576 15L48

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

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 576 15L48 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel and Bar

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

Grade Belongs to the Industry: Steel and Bar

Chemical Composition			Heat Treatment
Carbon	C %	0.440 - 0.520	As Raw or Annealing or Normalizing or Hardening and Tempering
Manganese	Mn %	1.100 - 1.400	
Phosphorus	P %	0.040 max.	
Sulphur	S %	0.050 max.	
Boron	B %	0.0005 - 0.003	
Copper	Cu %	0.200 max.	
Lead	Pb %	0.150 - 0.350	
Silicon	Si %	0.100 max.	
Iron	Fe %	Balance	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	

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	SAE	USA	Steel
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 830 1548	ASTM	USA	Plate and Steel
A 830 G15480	ASTM	USA	Plate and Steel

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