

Material: SAE 1541

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

Group: Ferrous Mild Steel Alloys

Sub Group: SAE 1541 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Bars, Plates, Strip, Sheets, Tubing and Forging

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

Grade Belongs to the Industry: Bars, Plates, Strip, Sheets, Tubing and Forging

Chemical Composition			Heat Treatment
Carbon	C %	0.360 - 0.440	As Raw or Annealing or Normalizing or Hardening and Tempering
Manganese	Mn %	1.350 - 1.650	
Phosphorus	P %	0.030 max.	
Sulphur	S %	0.035 max.	
Boron	B %	0.0005 - 0.003	
Lead	Pb %	0.150 - 0.350	
Iron	Fe %	Balance	
-	-	-	
-	-	-	
Mechanical Properties			
Tensile Strength in Mpa			630 min.
Yield Strength in Mpa			350 min.
Elongation in %			10 min.
Reduction of Area in %			30 - 45
Hardness in HB			184 - 321
Impact in Joule			-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G15410	SAE	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1541	AISI	USA	Bar and Steel
A 29 1541	ASTM	USA	Bar and Steel
A 311 1541 Class A	ASTM	USA	Bar and Steel
A 311 1541 Class B	ASTM	USA	Bar and Steel
A 830 G15410	ASTM	USA	Plate and Steel
A 510 1541	ASTM	USA	Wire Rod, Round Wire and Steel

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

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