

Material: ASTM A 29 1118

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 29 1118 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 %	0.140 - 0.200	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	1.300 - 1.600		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.080 - 0.130		
Silicon	Si %	0.100 max.		
Aluminium	Al %	0.020 max.		
Niobium	Nb %	0.025 max.		
Vanadium	V %	0.050 max.		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	345 - 515
-	-	-	Yield Strength in Mpa	205 - 415
-	-	-	Elongation in %	5 - 25
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	55 - 80
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G11180	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1118	SAE	USA	Steel
1118	AISI	USA	Steel
A 576 1118	ASTM	USA	Steel and Bar
A 1040 1118	ASTM	USA	Steel
A 108 Grade 1118	ASTM	USA	Steel and Bar
A 510 1118	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