

Material - ASTM A 576 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 - AISI A 576 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.		
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 -	
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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 1040 1118	ASTM	USA	Steel
A 108 Grade 1118	ASTM	USA	Steel and Bar
A 29 1118	ASTM	USA	Steel and Bar
A 510 1118	ASTM	USA	Wire Rod, Round Wire and Steel

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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