

Material: ASTM A 682 G10740

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled Steel and Strip

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 682 G10740 Carbon Steel Compositions For Forging To Hot-Rolled Steel and Strip

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

Grade Belongs to the Industry: Steel and Strip

Chemical Composition			Heat Treatment
Carbon	C %	0.700 - 0.800	As Raw or Annealing or Normalizing or Hardening and Tempering
Manganese	Mn %	0.500 - 0.800	
Phosphorus	P %	0.030 max.	
Sulphur	S %	0.035 max.	
Silicon	Si %	0.150 - 0.300	
Iron	Fe %	Balance	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
Mechanical Properties			
Tensile Strength in Mpa			650 - 720
Yield Strength in Mpa			400 min.
Elongation in %			10 min.
Reduction of Area in %			30 - 40
Hardness in HB			192 - 217
Impact in Joule			-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10740	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1074	SAE	USA	Steel
1074	AISI	USA	Steel and Bar
A 1040 1074	ASTM	USA	Steel
A 29 1074	ASTM	USA	Steel and Bar
A 510 1074	ASTM	USA	Steel
A 682 Grade 1074	ASTM	USA	Steel and Strip

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