

# Material: ASTM A 510 1074

## Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled Steel

**Group:** Ferrous Mild Steel Alloys

**Sub Group:** ASTM A 510 1074 Carbon Steel Compositions For Forging To Hot-Rolled Steel

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

**Grade Belongs to the Industry:** Steel

Chemical Composition		
Carbon	C %	0.700 - 0.800
Manganese	Mn %	0.500 - 0.800
Phosphorus	P %	0.040 max.
Sulphur	S %	0.050 max.
Boron	B %	0.0005 - 0.003
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw or Annealing or Normalizing or Hardening and Tempering

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 682 G10740	ASTM	USA	Steel and Strip
A 682 Grade 1074	ASTM	USA	Steel and Strip

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