Material: SAE 1026

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel

Group: *Ferrous Mild Steel Alloys*
Sub Group: *SAE 1026 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel*
Application: *Intended for Valve, Pump, General Engineering, Automotive and Other Industries*
Grade Belongs to the Industry: *Steel*

Chemical Composition		
Carbon	C %	0.220 - 0.280
Manganese	Mn %	0.600 - 0.900
Phosphorus	P %	0.030 max.
Sulphur	S %	0.035 max.
Boron	B %	0.0005 - 0.003
Chromium	Cr %	0.150 max.
Copper	Cu %	0.200 max.
Molybdenum	Mo %	0.060 max.
Nickel	Ni %	0.200 max.
Lead	Pb %	0.150 - 0.350
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

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

Mechanical Properties	
Tensile Strength in Mpa	440 - 490
Yield Strength in Mpa	240 min
Elongation in %	15 min.
Reduction of Area in %	40 - 49
Hardness in HB	126 - 143
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
G10260	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1026	AISI	USA	Tubing
A 1040 1026	ASTM	USA	Steel
A 29 1026	ASTM	USA	Steel and Bar
A 510 1026	ASTM	USA	Wire Rod and Round Wire
A 512 Grade 1026	ASTM	USA	Tubing
A 513 Grade 1026	ASTM	USA	Tubing

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