

Material: SAE 1006

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Bars, To Wire Rods, Plates, Strip, Sheets, Tubing

Group: Ferrous Mild Steel Alloys

Sub Group: SAE 1006 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Bars, Wire Rods, Plates, Strip, Sheets and Tubing

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

Grade Belongs to the Industry: Bars, Wire Rods, Plates, Strip, Sheets and Tubing

Chemical Composition			Heat Treatment
Carbon	C %	0.080 max.	As Raw or Annealing or Normalizing or Hardening and Tempering
Manganese	Mn %	0.250 - 0.400	
Phosphorus	P %	0.040 max.	
Sulphur	S %	0.050 max.	
Chromium	Cr %	0.070 max.	
Copper	Cu %	0.200 max.	
Molybdenum	Mo %	0.050 max.	
Nickel	Ni %	0.150 max.	
Silicon	Si %	0.200 max.	
Iron	Fe %	Balance	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	

Mechanical Properties		
Tensile Strength in Mpa	300 - 330	
Yield Strength in Mpa	170 min.	
Elongation in %	20 min.	
Reduction of Area in %	45 - 55	
Hardness in HB	86 - 95	
Impact in Joule	-	

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10060	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1006	AISI	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 1040 1006	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 29 1006	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 510 1006	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 830 1006	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 830 G10600	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing

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