

## Material: ASTM A 830 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:** ASTM A 830 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 %	0.450 max.		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.030 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
10060	SAE	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 G10600	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing

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