



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A 1040 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 1040 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 %	0.020 - 0.080	As Raw or Annealing or Normalizing or Hardening and Tempering			
Manganese	Mn %	0.045 max.				
Phosphorus	P %	0.030 max.				
Sulphur	S %	0.035 max.				
Copper	Cu %	0.200 max.				
Silicon	Si %	0.100 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 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

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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