

Material: ASTM A 29 1060

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled Steel and bar

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 29 1060 Carbon Steel Compositions For Forging To Hot-Rolled Steel and bar

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

Grade Belongs to the Industry: Steel and bar

Chemical Composition		
Carbon	C %	0.550 - 0.650
Manganese	Mn %	0.600 - 0.900
Phosphorus	P %	0.040 max.
Sulphur	S %	0.050 max.
Boron	B %	0.0005 - 0.003
Copper	Cu %	0.200 min.
Silicon	Si %	0.100 max.
Aluminium	Al %	0.020 min.
Niobium	Nb %	0.015 max.
Vanadium	V %	0.020 min.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

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

Mechanical Properties	
Tensile Strength in Mpa	620 - 680
Yield Strength in Mpa	370 min.
Elongation in %	10 min.
Reduction of Area in %	30 - 45
Hardness in HB	183 - 201
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10600	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1060	SAE	USA	Steel
1060	AISI	USA	Steel and Tubing
A 1040 1060	ASTM	USA	Steel
A 510 1060	ASTM	USA	Wire Rod, Round Rod and Steel
A 513 Grade 1060	ASTM	USA	Steel and Tubing
A 576 10L60	ASTM	USA	Bar

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