



## 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			Heat Treatment	
Carbon	C %	0.550 - 0.650	As Raw or Annealing or Normalizing or Hardening and Tempering	
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	<b>Mechanical Properties</b> 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                -	
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-	-	-		
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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

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

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