



## Material - SAE 1029

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

**Group - Ferrous Mild Steel Alloys**

**Sub Group - SAE 1029 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 %	0.250 - 0.310	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	0.600 - 0.900		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.050 max.		
Boron	B %	0.0005 - 0.003		
Chromium	Cr %	0.150 max.		
Copper	Cu %	0.200 max.		
Molybdenum	Mo %	0.006 min.		
Nickel	Ni %	0.200 min.		
Lead	Pb %	0.150 - 0.350		
Iron	Fe %	Balance	<b>Mechanical Properties</b> Tensile Strength in Mpa      485 min. Yield Strength in Mpa      275 min. Elongation in %      30 min. Reduction of Area in %      - Hardness in BHN      - Impact in Joule      -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10290	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1029	AISI	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 1040 1029	ASTM	USA	Steel
A 29 1029	ASTM	USA	Steel
A 510 1029	ASTM	USA	Wire Rod and Round Wire
A 576 10L29	ASTM	USA	Steel and Bar
SA-29 1029	ASME	USA	Steel and 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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