

# Material: ASTM A 576 10L29

## Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel and Bar

**Group:** Ferrous Mild Steel Alloys

**Sub Group:** ASTM A 576 10L29 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished 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 %	0.250 - 0.310	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 max.	
Silicon	Si %	0.100 max.	
Lead	Pb %	0.150 - 0.350	
Iron	Fe %	Balance	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
Mechanical Properties			
			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
			-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10290	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1029	SAE	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
SA-29 1029	ASME	USA	Steel and Bar

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