

Material: AISI 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: AISI 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		
Carbon	C %	0.250 - 0.310
Manganese	Mn %	0.600 - 0.900
Phosphorus	P %	0.030 max.
Sulphur	S %	0.035 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
-	-	-
-	-	-
-	-	-
-	-	-

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

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
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

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