

Material: ASTM A 108 Grade 1035

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 108 Grade 1035 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 %	0.320 - 0.380	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.	
Lead	Pb %	0.150 - 0.350	
Silicon	Si %	0.100 max.	
Iron	Fe %	Balance	
-	-	-	
-	-	-	
-	-	-	
Mechanical Properties			
			Tensile Strength in Mpa
			415 - 862
			Yield Strength in Mpa
			230 min.
			Elongation in %
			5 min.
			Reduction of Area in %
			22 min.
			Hardness in HB
			143 max.
			Impact in Joule
			-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10350	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1035	SAE	USA	Steel and Tubing
1035	AISI	USA	Steel and Tubing
A 1040 1035	ASTM	USA	Steel
A 29 1035	ASTM	USA	Steel and Bar
A 311 1035 Class A	ASTM	USA	Steel and Bar
A 510 1035	ASTM	USA	Wire Rod and Round Wire

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