

Material: SAE 1035

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

Group: Ferrous Mild Steel Alloys

Sub Group: SAE 1035 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel and Tubing

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry: Steel and Tubing

Chemical Composition			Heat Treatment
Carbon	C %	0.310 - 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.	
Silicon	Si %	0.100 - 0.300	
Iron	Fe %	Balance	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
Mechanical Properties			
			Tensile Strength in Mpa
			500 - 862
			Yield Strength in Mpa
			270 min.
			Elongation in %
			8 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	AISI	USA	Steel and Tubing
A 1040 1035	ASTM	USA	Steel
A 108 Grade 1035	ASTM	USA	Steel and Bar
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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