



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

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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