

Material - ASTM A 513 Grade 1040

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

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A 513 Grade 1040 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Tubing

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade Belongs to the Industry - Tubing

Chemical Composition			Heat Treatment	
Carbon	C %	0.370 - 0.440	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.		
Iron	Fe %	Balance	rempering	
-	-	-		
-	-	-		
-	-	-		
-	7	-	Mechanical Pr	operties
-	-	-	Tensile Strength in Mpa	450 min
-	-	-	Yield Strength in Mpa	310 min.
-	-	-	Elongation in %	5 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HRC	75 - 90
-	-	-	Impac <mark>t in Joule</mark>	-

Cross Reference Table					
Material	Standard	Country	Grade Belong to the Industry		
G10400	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing		
1040	SAE	USA	Steel		
1040	AISI	USA	Tubing		
A 1040 1040	ASTM	USA	Steel		
A 108 Grade 1040	ASTM	USA	Bar		
A 29 1040	ASTM	USA	Steel		
A 510 1040	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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