

Material: ASTM A 512 Grade 1030

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

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 512 Grade 1030 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 %	0.280 - 0.340	As Raw or Annealing or Normalizing or Hardening and Tempering
Manganese	Mn %	0.600 - 0.900	
Phosphorus	P %	0.040 max.	
Sulphur	S %	0.045 max.	
Iron	Fe %	Balance	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
Mechanical Properties			
Tensile Strength in Mpa			552 - 896
Yield Strength in Mpa			483 min.
Elongation in %			10 min.
Reduction of Area in %			-
Hardness in HRC			80 min.
Impact in Joule			36.9 - 52.3 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10300	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1030	SAE	USA	Steel
1030	AISI	USA	Tubing
A 1040 1030	ASTM	USA	Steel
A 108 Grade 1030	ASTM	USA	Steel and Bar
A 29 1030	ASTM	USA	Steel and Bar
A 510 1030	ASTM	USA	Wire Rod and Round Wire

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