

Material: ASTM A 510 1053

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Wire Rod, Round Rod and Steel

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 510 1053 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Wire Rod, Round Rod and Steel

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

Grade Belongs to the Industry: Wire Rod, Round Rod and Steel

Chemical Composition			Heat Treatment
Carbon	C %	0.480 - 0.550	As Raw or Annealing or Normalizing or Hardening and Tempering
Manganese	Mn %	0.700 - 1.000	
Phosphorus	P %	0.040 max.	
Sulphur	S %	0.050 max.	
Boron	B %	0.0008 max.	
Iron	Fe %	Balance	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
Mechanical Properties			
Tensile Strength in Mpa			770 min.
Yield Strength in Mpa			-
Elongation in %			12 min.
Reduction of Area in %			-
Hardness in HB			220 - 260
Impact in Joule			-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10530	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1053	SAE	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1053	AISI	USA	Steel and Bar
A 1040 1053	ASTM	USA	Steel
A 29 1053	ASTM	USA	Steel and Bar
A 576 10L53	ASTM	USA	Steel and Bar
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