

Material: ASTM A 576 10L53

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

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 576 10L53 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel and Bar

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

Grade Belongs to the Industry: Steel and Bar

Chemical Composition			Heat Treatment
Carbon	C %	0.480 - 0.550	
Manganese	Mn %	0.700 - 1.000	
Phosphorus	P %	0.040 max.	
Sulphur	S %	0.050 max.	
Boron	B %	0.0008 max.	
Copper	Cu %	0.200 max.	
Silicon	Si %	0.100 max.	
Lead	Pb %	0.150 - 0.350	
Iron	Fe %	Balance	As Raw or Annealing or Normalizing or Hardening and Tempering
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
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 510 1053	ASTM	USA	Wire Rod, Round Rod and Steel
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Customer Care: +91-99090 45075 Email: info@icastllp.com



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India