

Material: SAE 1025

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel, Sheet, Strip and Plate

Group: Ferrous Mild Steel Alloys

Sub Group: SAE 1025 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel, Sheet, Strip and Plate

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

Grade Belongs to the Industry: Steel, Sheet, Strip and Plate

Chemical Composition			Heat Treatment	
Carbon	C %	0.220 - 0.280	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	0.300 - 0.600		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.050 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	379 - 862
-	-	-	Yield Strength in Mpa	220 min.
-	-	-	Elongation in %	13 min.
-	-	-	Reduction of Area in %	40 - 50
-	-	-	Hardness in HB	116 - 126
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10250	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1025	AISI	USA	Steel, Sheet, Strip and Plate
A 1040 1025	ASTM	USA	Steel
A 108 Grade 1015	ASTM	USA	Steel and Bar
A 29 1025	ASTM	USA	Steel and Bar
A 29 M1025	ASTM	USA	Steel and Bar
A 510 1025	ASTM	USA	Wire Rod and Round Wire

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