



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

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

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

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