



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - AMS 1025

Standard Specification for Steel, Sheet, Strip, Uncoated and Carbon

Group - Ferrous Stainless Steel Alloys

Sub Group - AMS 1025 Steel, Sheet, Strip, Uncoated and Carbon

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

Grade Belongs to the Industry - Bar, Wire, Tube and Forging

Chemical Composition			Heat Treatment	
Carbon	C %	0.220 - 0.300	As- Cast or Normalising or Annealing or Hardening + Tempering	
Manganese	Mn %	0.300 - 0.600		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.050 max.		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	380 min.
			Yield Strength in Mpa	249 min.
			Elongation in %	22 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J02508	UNS	USA	Casting
1025.0000	AISI	USA	Bar, Wire, Tube and Forging
1025.0000	SAE	USA	Bar, Wire, Tube and Forging
S1025	AS	Australia	Bar, Wire, Tube and Forging
A915 Grade SC 1025	ASTM	USA	Casting
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-	-	-	-

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.

ONE STOP SOLUTION FOR METAL PARTS