



Material - ASTM A 1040 1075

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

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A 1040 1075 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel

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

Grade Belongs to the Industry - Steel

Chemical Composition			Heat Treatment			
Carbon	C %	0.700 - 0.800	As Raw or Annealing or Normalizing or Hardening and Tempering			
Manganese	Mn %	0.400 - 0.700				
Phosphorus	P %	0.040 max.				
Sulphur	S %	0.050 max.				
Boron	B %	0.0005 - 0.003				
Silicon	Si %	0.100 max.				
Iron	Fe %	Balance				
-	-	-	Mechanical Properties			
-	-	-				
-	-	-			Tensile Strength in Mpa	1025 min.
-	-	-			Yield Strength in Mpa	696 min.
-	-	-			Elongation in %	17.6 min.
-	-	-			Reduction of Area in %	58.2 min.
-	-	-			Hardness in BHN	-
-	-	-			Impact in Joule	21.7 J @ RT
-	-	-				
-	-	-				

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10750	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1075	SAE	USA	Steel
1075	AISI	USA	Steel and Bar
A 29 1075	ASTM	USA	Steel and Bar
A 510 1075	ASTM	USA	Steel
A 713 G10750	ASTM	USA	Steel
A 713 Grade 1075	ASTM	USA	Steel

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

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