



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A 713 Grade 1055

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

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A 713 Grade 1055 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Wire

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

Grade Belongs to the Industry - Wire

Chemical Composition			Heat Treatment	
Carbon	C %	0.500 - 0.600	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	0.600 - 0.900		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.050 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	650 - 660
			Yield Strength in Mpa	360 min.
			Elongation in %	10 min.
			Reduction of Area in %	30 - 40
			Hardness in HB	192 - 197
			Impact in Joule	-

Cross Reference Table				
Material	Standard	Country	Grade Belong to the Industry	
G10550	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing	
1055	SAE	USA	Strip and Steel	
1055	AISI	USA	Steel and Bar	
A 830 G10550	ASTM	USA	Plate and Steel	
A 684 Grade 1055	ASTM	USA	Strip and Steel	
A 713 G10550	ASTM	USA	Steel and Wire	
A 682 G10550	ASTM	USA	Strip and 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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