

Material - ASTM A 713 Grade 1078

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled Steel and Wire

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A 713 Grade 1078 Carbon Steel Compositions For Forging To Hot-Rolled Steel and Wire Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade Belongs to the Industry - Steel and Wire

Chemical Composition			Heat Treatment	
Carbon	C %	0.720 - 0.850		
Manganese	Mn %	0.300 - 0.600	As Raw or Annealing or Normalizing or Hardening an Tempering	
Phosphorus	P %	0.040 max.		izing or Hardoning and
Sulphur	S %	0.050 max.		-
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	/-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	650 - 690
-	-	-	Yield Strength in Mpa	380 min.
-	-	-	Elongation in %	10 min.
-	-	-	Reduction of Area in %	30 - 40
-	-	-	Hardness in HB	192 - 207
-	-	-	Impact in Joule	-

Cross Reference Table					
Material	Standard	Country Grade Belong to the Industry			
G10780	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing		
1078	SAE	USA	Steel		
1078	AISI	USA	Steel and Bar		
A 830 G10780	ASTM	USA	Plate and Steel		
A 713 G10780	ASTM	USA	Steel and Wire		
A 576 10L78	ASTM	USA	Steel and Bar		
A 830 1078	ASTM	USA	Plate 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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