



## **Material - ASTM A 713 G10860**

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

**Group - Ferrous Mild Steel Alloys** 

Sub Group - ASTM A 713 G10860 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

Chemi	cal Compositio	n	Heat Treatment	
Carbon	C %	0.800 - 0.930		
Manganese	Mn %	0.300 - 0.500	As Raw or Annealing or Normalizing or Hardening and Tempering	
Phosphorus	P %	0.040 max.		dizing or Hardaning and
Sulphur	S %	0.050 max.		•
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	/-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	670 - 770
-	-	-	Yield Strength in Mpa	420 min.
-	-	-	Elongation in %	10 min.
-	-	-	Reduction of Area in %	25 - 40
-	-	-	Hardn <mark>ess in HB</mark>	192 - 229
-	-	-	Impa <mark>ct in Joule</mark>	-

Cross Reference Table					
Material	Standard	Country	Grade Belong to the Industry		
G10860	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing		
1086	SAE	USA	Steel		
1086	AISI	USA	Steel and Bar		
A 682 G10860	ASTM	USA	Steel and Strip		
A 1040 1086	ASTM	USA	Steel		
A 682 Grade 1086	ASTM	USA	Steel and Strip		
A 684 Grade 1086	ASTM	USA	Steel and Strip		

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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