

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

Chemical Composition			Heat Treatment
Carbon	C %	0.800 - 0.930	As Raw or Annealing or Normalizing or Hardening and Tempering
Manganese	Mn %	0.300 - 0.500	
Phosphorus	P %	0.040 max.	
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
Hardness in HB			192 - 229
Impact in Joule			-

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

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com