

## Material: ASTM A 830 1070

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

**Group:** Ferrous Mild Steel Alloys

**Sub Group:** ASTM A 830 1070 Carbon Steel Compositions For Forging To Hot-Rolled Plate and Steel

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

**Grade Belongs to the Industry:** Plate and Steel

Chemical Composition			Heat Treatment	
Carbon	C %	0.650 - 0.750	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	0.600 - 0.900		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.030 max.		
Silicon	Si %	0.150 - 0.400		
Iron	Fe %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa 640 - 700 Yield Strength in Mpa 390 min. Elongation in % 10 min. Reduction of Area in % 30 - 45 Hardness in HB 192 - 212 Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10700	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1070	SAE	USA	Steel
1070	AISI	USA	Steel and Bar
A 510 1070	ASTM	USA	Wire Rods, Round Wire and Steel
A 576 10L70	ASTM	USA	Steel and Bar
A 713 G10700	ASTM	USA	Steel and Wire
A 713 Grade 1070	ASTM	USA	Steel and Wire

**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](mailto:info@icastllp.com)