

Material: ASTM A 713 G10700

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

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 713 G10700 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 %	0.650 - 0.750	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	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 Grade 1070	ASTM	USA	Steel and Wire
A 830 1070	ASTM	USA	Plate and Steel

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