

Material: SAE 1095

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

Group: Ferrous Mild Steel Alloys

Sub Group: SAE 1095 Carbon Steel Compositions For Forging To Hot-Rolled Strip and Steel

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

Grade Belongs to the Industry: Strip and Steel

Chemical Composition			Heat Treatment
Carbon	C %	0.900 - 1.030	As Raw or Annealing or Normalizing or Hardening and Tempering
Manganese	Mn %	0.150 - 0.500	
Phosphorus	P %	0.040 max.	
Sulphur	S %	0.050 max.	
Silicon	Si %	0.150 - 0.350	
Iron	Fe %	Balance	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
Mechanical Properties			
Tensile Strength in Mpa			680 - 1379
Yield Strength in Mpa			460 min.
Elongation in %			10 min.
Reduction of Area in %			25 - 40
Hardness in HB			302 max.
Impact in Joule			-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10950	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1095	AISI	USA	Steel and Bar
A 1040 1095	ASTM	USA	Steel
A 108 Grade 1095	ASTM	USA	Steel and Bar
A 29 1095	ASTM	USA	Steel and Bar
A 510 1095	ASTM	USA	Wire Rods, Round Wire and Steel
A 576 10L95	ASTM	USA	Steel and Bar

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