

Material: ASTM A 510 1012

Standard Specification For General Requirements for Wire Rods

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 510 1012 General Requirements for Wire Rods

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

Grade Belongs to the Industry: Wire Rod

Heat Treatment	
As Raw or Annealing or Normalizing or Hardening and Tempering	
Mechanical Properties	
Tensile Strength in Mpa	330 - 370
Yield Strength in Mpa	180 min.
Elongation in %	19 min.
Reduction of Area in %	40 - 50
Hardness in HB	95 - 105
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10120	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1012	SAE	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1012	AISI	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 1040 1012	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 29 1012	ASTM	USA	Bar
A 29 M1012	ASTM	USA	Bar
A 512 Grade 1012	ASTM	USA	Tubing

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