

## Material: SAE 1020

## Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Sheet, Strip and Plate

## **Group: Ferrous Mild Steel Alloys**

## **Sub Group: SAE 1020 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Sheet, Strip and**

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

## **Grade Belongs to the Industry: Sheet, Strip and Plate**

Heat Treatment	
As Raw or Annealing or Normalizing or Hardening and Tempering	
Mechanical Properties	
Tensile Strength in Mpa	345 - 520.5
Yield Strength in Mpa	210 min
Elongation in %	15 min.
Reduction of Area in %	40 - 50
Hardness in HB	111 - 121
Impact in Joule	47.6 - 69.7 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10200	UNS	USA	Bars, Wire Rods and Tubing
1020	AISI	USA	Sheet, Strip and Plate
A 1040 1020	ASTM	USA	Steel
A 108 Grade 1020	ASTM	USA	Steel and Bar
A 29 1020	ASTM	USA	Steel and Bar
A 29 M1020	ASTM	USA	Steel and Bar
A 510 1020	ASTM	USA	Wire Rod and Round Wire

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