

Material: SAE 1013

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Bars, To Wire Rods, Plates, Strip, Sheets and Tubing

Group: Ferrous Mild Steel Alloys

Sub Group: SAE 1013 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Bars, Wire Rods, Plates, Strip, Sheets and Tubing

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

Grade Belongs to the Industry: Bars, Wire Rods, Plates, Strip, Sheets and Tubing

Chemical Composition		
Carbon	C %	0.110 - 0.160
Manganese	Mn %	0.300 - 0.600
Phosphorus	P %	0.030 max.
Sulphur	S %	0.035 max.
Boron	B %	0.0005 - 0.003
Chromium	Cr %	0.150 max.
Copper	Cu %	0.200 max.
Molybdenum	Mo %	0.060 max.
Niobium	Nb %	0.150 - 0.350
Nickel	Ni %	0.200 max.
Lead	Pb %	0.150 - 0.350
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw or Annealing or Normalizing or Hardening and Tempering

Mechanical Properties	
Tensile Strength in Mpa	370 Min.
Yield Strength in Mpa	310 min.
Elongation in %	19 min.
Reduction of Area in %	40 min.
Hardness in HB	105 max.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10130	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1013	AISI	USA	Bar
A 1040 1013	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 29 1013	ASTM	USA	Bar
A 510 1013	ASTM	USA	Wire Rod
SA-29 1013	ASME	USA	Bar
K11430	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing

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



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India