

Material: SAE 1065

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled Plate, Strip, Sheet and Tubing

Group: Ferrous Mild Steel Alloys

Sub Group: SAE 1065 Carbon Steel Compositions For Forging To Hot-Rolled Plate, Strip, Sheet and Tubing

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

Grade Belongs to the Industry: Plate, Strip, Sheet and Tubing

Chemical Composition		
Carbon	C %	0.600 - 0.700
Manganese	Mn %	0.600 - 0.900
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.
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	630 - 690
Yield Strength in Mpa	380 min.
Elongation in %	10 min.
Reduction of Area in %	30 - 45
Hardness in HB	187 - 207
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10650	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1065	AISI	USA	Steel and Bar
A 830 G10650	ASTM	USA	Plate and Steel
A 713 G10650	ASTM	USA	Steel and wire
A 682 G10650	ASTM	USA	Steel and Strip
A 682 Grade 1065	ASTM	USA	Steel and Strip
A 684 Grade 1065	ASTM	USA	Steel and Strip

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