

Material: AISI 6150

Standard Specification for Structural and Constructional Steels

Group: Ferrous Mild Steel Alloys

Sub Group: AISI 6150 Structural and Constructional Steels

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

Grade Belongs to the Industry: Forging, Bar, Wire and Shape

Chemical Composition			Heat Treatment	
Carbon	C %	0.480 - 0.530	Annealing or Normalizing or Hardening + Tempering	
Silicon	Si %	0.150 - 0.350		
Manganese	Mn %	0.700 - 0.900		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	0.800 - 1.1000		
Vanadium	V %	0.150 min.		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	480 - 965
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	-
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	183 - 241
-	-	-	Impact in Joule	45.1 - 155.4 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J15048	UNS	USA	Casting
6150	SAE	USA	Bar, Tube, Sheet, Strip and Forging
6150	AMS	USA	Bar and Forging
A732 12Q	AISI	USA	Casting
-	-	-	-
-	-	-	-
-	-	-	-

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