

Material: SAE 4617

Standard Specification for Former Sae Standard and Former Sae Ex-Steels

Group: Ferrous Mild Steel Alloys

Sub Group: SAE 4617 Former Sae Standard and Former Sae Ex-Steels

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

Grade Belongs to the Industry: Bar, Steel and Forging

Chemical Composition			Heat Treatment	
Carbon	C %	0.150 - 0.200	Normalizing or Annealing or Hardening + Tempering	
Silicon	Si %	0.150 - 0.350		
Manganese	Mn %	0.450 - 0.650		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.025 max.		
Nickel	Ni %	1.650 - 2.000		
Molybdenum	Mo %	0.200 - 0.300		
Chromium	Cr %	0.200 max.		
Copper	Cu %	0.350 max.		
Vanadium	V %	0.020 - 0.080		
			Mechanical Properties	
Niobium	Nb %	0.020 - 0.050	Tensile Strength in Mpa	860 min.
Aluminium	Al %	0.020 - 0.050	Yield Strength in Mpa	-
Iron	Fe %	Balance	Elongation in %	-
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	174 - 241
			Impact in Joule	0

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
4615.0000	SAE	USA	Steel
4617.0000	AISI	USA	Bar, Steel and Forging
4620.0000	SAE	USA	Steel
4615.0000	AISI	USA	Steel
4620.0000	AISI	USA	Steel
A757 C1Q	ASTM	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