

Material: SAE 410

Standard Specification for Chemical Compositions Stainless Steels Bar, Wire, Shapes and Forging

Group: Ferrous Stainless Steel Alloys

Sub Group: SAE 410 Chemical Compositions Stainless Steels Bar, Wire, Shapes and Forging

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

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

Chemical Composition			Heat Treatment	
Carbon	C %	0.150 max.	Annealing or Hardening + Tempering	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	11.500 - 13.500		
Nickel	Ni %	0.750 max.		
Aluminium	Al %	0.050 max.		
Copper	Cu %	0.500 max.		
Nitrogen	N %	0.080 max.		
Tin	Sn %	0.050 max.	Mechanical Properties	
Iron	Fe %	Balance	Tensile Strength in Mpa	448 - 1402.7
-	-	-	Yield Strength in Mpa	207 min.
-	-	-	Elongation in %	10 min.
-	-	-	Reduction of Area in %	30 min.
-	-	-	Hardness in HB	241 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SA-487 Grade CA 15MA	ASME	USA	Casting
J91151	UNS	USA	Casting
SA-487 Grade CA 15M	ASME	USA	Casting
A 487 CA 15M	ASTM	USA	Casting
A217 CA 15	ASTM	USA	Casting
A487 CA 15	ASTM	USA	Casting
A743 CA 15M	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