

Material: ASTM A356 8

Standard Specification for Steel Castings, Carbon, Low Alloy, and Stainless Steel, Heavy-Walled for Steam Turbines

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A356 / A356M Carbon, Low Alloy, and Stainless Steel, Heavy-Walled for Steam Turbines

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.200 max.	Normalising or Annealing or Hardening + Tempering	
Silicon	Si %	0.200 - 0.600		
Manganese	Mn %	0.500 - 0.900		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	1.000 - 1.500		
Molybdenum	Mo %	0.900 - 1.200		
Vanadium	V %	0.050 - 0.150		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 550 min. Yield Strength in Mpa 345 min. Elongation in % 18 min. Reduction of Area in % 45 min. Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J11697	UNS	USA	Casting
SCTH 23	JIS	Japan	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