AMTECH TECHNOCAST PVT. LTD.

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		
Carbon	C %	0.200 max.
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalising or Annealing or Hardening + Tempering

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
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-		-	-

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at +91 9879817994, or email us at manish@amtechtechnocast.com

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