AMTECH TECHNOCAST PVT. LTD.

Material - ASTM A176 S44700

Standard Specification for Stainless and Heat-Resisting Chromium Steel Plate, Sheet, and Strip

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A176 S44700 Stainless and Heat-Resisting Chromium Steel Plate, Sheet, and Strip

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

Grade Belongs to the Industry - Plate, Sheet and Strip

Chemical Composition		
Carbon	C %	0.010 max.
Silicon	Si %	0.200 max.
Manganese	Mn %	0.300 max.
Phosphorus	P %	0.025 max.
Sulphur	S %	0.020 max.
Chromium	Cr %	28.000 - 30.000
Molybdenum	Mo %	3.500 - 4.200
Nickel	Ni %	0.150 max.
C + N	C % + N %	0.025 max.
Nitrogen	N %	0.020 max.
Copper	Cu %	0.150 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalising or Annealing or Hardening + Tempering

Mechanical Properties	
Tensile Strength in Mpa	550 min.
Yield Strength in Mpa	415 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in HRC	20 max.
Impact in Joule	-

Cross Reference Table

Material	Standard	Country	Grade Belong to the Industry
S44700	UNS	USA	Plate, Sheet and Strip
SA-731 29-4	ASME	USA	Plate, Sheet and Strip
A268 29-4	ASTM	USA	Tube
A493 S44700	ASTM	USA	Forging
A580 S44700	ASTM	USA	Wire
A791 Grade 29-4	ASTM	USA	Tube
A731 29-4	ASTM	USA	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