

Material - ASTM A 176 Type 420

Standard Specification for Steel Plate, Sheet and Strip for General Engineering Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A 176 Type 420 Steel Plate, Sheet and Strip for General Engineering Purposes

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

Grade Belongs to the Industry - Steel Plate, Sheet and Strip

Chemical Composition			Heat Treatment	
Carbon	C %	0.150 max.	As Raw or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	12.000 - 14.000		
Molybdenum	Mo %	0.500 max.		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	690 max.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	15 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	217 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
420C28	BS	British	Casting
420C29	BS	British	Casting
420	SAE	USA	Sheet, Strip and Plate
420	AISI	USA	Forging
A 176 S42000	ASTM	USA	Steel Plate, Sheet and Strip
A 314 420	ASTM	USA	Billets and Bars for Forging
A 314 S42000	ASTM	USA	Billets and Bars for Forging

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](tel:+919879817994), or email us at manish@amtechtechnocast.com

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