

Material - ASTM A 830 1049

Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Plate and Steel

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A 830 1049 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Plate and Steel

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

Grade Belongs to the Industry - Plate and Steel

Chemical Composition			Heat Treatment	
Carbon	C %	0.460 - 0.530	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	0.600 - 0.900		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.030 max.		
Silicon	Si %	0.150 - 0.400		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 600 - 670 Yield Strength in Mpa 330 min. Elongation in % 10 min. Reduction of Area in % 30 - 40 Hardness in HB 179 - 197 Impact in Joule -	
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-	-	-		
-	-	-		
-	-	-		
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10490	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1049	SAE	USA	Steel
1049	AISI	USA	Bar
A 830 G10490	ASTM	USA	Plate and Steel
A 576 10L49	ASTM	USA	Steel
A 29 1049	ASTM	USA	Steel and Bar
A 510 1049	ASTM	USA	Wire Rods, Round Wire and Steel

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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