

Material - ASTM A 512 Grade 1012

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

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A 512 Grade 1012 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Tubing

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

Grade Belongs to the Industry - Tubing

Chemical Composition			Heat Treatment	
Carbon	C %	0.100 - 0.150	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	0.300 - 0.600		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.450 max.		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 330 - 370 Yield Strength in Mpa 180 min. Elongation in % 19 min. Reduction of Area in % 40 - 50 Hardness in HB 95 - 105 Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G10120	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1012	SAE	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1012	AISI	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 1040 1012	ASTM	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 29 1012	ASTM	USA	Bar
A 29 M1012	ASTM	USA	Bar
A 510 1012	ASTM	USA	Wire Rod

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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