

Material - ASTM A 311 1050 Class A

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

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A 311 1050 Class A Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel and Bar

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade Belongs to the Industry - Steel and Bar

Chemical Composition			Heat Treatment	
n (C %	0.480 - 0.550		
ese N	1n %	0.600 - 0.900	As Raw or Annealing or Normalizing or Hardening and Tempering	
rus	P %	0.040 max.		
ur :	S %	0.050 max.		
F	b %	0.150 - 0.350		IIB
F	e %	Balance		
	-	-		
	-	-		
	-	-	Mechanical Properties	
	-	-	Tensile Strength in Mpa	585 min.
	-	-	Yield Strength in Mpa	520 min.
	-	-	Elongation in %	10 min.
	-	-	Reduction of Area in %	30 min.
	-	-	Hardn <mark>ess in HB</mark>	-
	-	-	Impact in Joule	-
	n (ese Morus lar E	n C % ese Mn % orus P % ur S % Pb % Fe %	n C % 0.480 - 0.550 ese Mn % 0.600 - 0.900 orus P % 0.040 max. ur S % 0.050 max. Pb % 0.150 - 0.350 Fe % Balance	Name

Cross Reference Table					
Material	Standard	Country Grade Belong to the Industry			
G10500	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing		
1050	SAE	USA	Steel, Sheet, Strip and Plate		
1050	AISI	USA	Steel, Sheet, Strip and Plate		
A 311 1050 Class B	ASTM	USA	Steel and Bar		
A 513 Grade 1050	ASTM	USA	Steel and Tubing		
A 684 Grade 1050	ASTM	USA	Steel and Strip		
A 108 Grade 1050	ASTM	USA	Steel and Bar		

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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