Material - SAE 1118

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

RAVITY CAST PVT. LTD. RAVITY GROUP OF COMPANIES

Group - Ferrous Mild Steel Alloys

Sub Group - SAE 1118 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade Belongs to the Industry - Steel

Chemical Composition			Heat Treatment	
Carbon	C %	0.140 - 0.200		
Manganese	Mn %	1.300 - 1.600	As Raw or Annealing or Normalizing or Hardening and Tempering	
Phosphorus	P %	0.030 max.		lizing or Hardoning and
Sulphur	S %	0.080 - 0.130		
Lead	Pb %	0.150 - 0.350		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	345 min.
	-	-	Yield Strength in Mpa	205 min.
	-	-	Elongation in %	25 min.
	-	-	Reduction of Area in %	-
-	-	-	Hardn <mark>ess in HB</mark>	55 max.
-	-	-	Impa <mark>ct in Joule</mark>	-

Cross Reference Table				
Material	Standard	Country Grade Belong to the Industry		
G11180	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing	
1118	AISI	USA	Steel	
A 576 1118	ASTM	USA	Steel and Bar	
A 1040 1118	ASTM	USA	Steel	
A 108 Grade 1118	ASTM	USA	Steel and Bar	
A 29 1118	ASTM	USA	Steel and Bar	
A 510 1118	ASTM	USA	Wire Rod, Round Wire and Steel	

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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