



Material - ASTM A351 CG3M

Standard Specification for Castings, Austenitic, for Pressure-Containing Parts

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A351 / 351M Castings, Austenitic, for Pressure-Containing Parts

Application - Intended for Valves, Pumps, General Engineering, Automobile and Other Industries

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	Solution Annealing	
Silicon	Si %	1.500 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	18.000 - 21.000		
Nickel	Ni %	9.000 - 13.000		
Molybdenum	Mo %	3.000 - 4.000		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	515 min.
-	-	-	Yield Strength in Mpa	240 min.
-	-	-	Elongation in %	25 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A743 CG3M	ASTM	USA	Casting
SA-351 CG3M	ASME	USA	Casting
J92999	UNS	USA	Casting
1.4412	EN	European Union	Casting
H6A	AS	Australia	Casting
317 C 12	BS	British	Casting
AM X 7 CrNiMo 20-11	UNE	Spain	Casting

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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