



## Material - ASTM A487 CA6NM(B)

### Standard Specification for Steel Castings Suitable for Pressure Service

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A487 / AA87M Steel Castings Suitable for Pressure Service

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.060 max.	Annealing or Normalising or Hardening + Tempering	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	11.500 - 14.000		
Nickel	Ni %	3.500 - 4.500		
Molybdenum	Mo %	0.400 - 1.000		
Copper	Cu %	0.500 max.		
Vanadium	V %	0.050 max.		
Tungsten	W %	0.100 max.	Mechanical Properties	
Other	Ot %	0.500 max.	Tensile Strength in Mpa	690 min.
Iron	Fe %	Balance	Yield Strength in Mpa	515 min.
-	-	-	Elongation in %	17 min.
-	-	-	Reduction of Area in %	35 min.
			Hardness in HB	255 min.
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A743 CA6NM	ASTM	USA	Casting
A356 CA6NM	ASTM	USA	Casting
A352 CA6NM	ASTM	USA	Casting
SA-352 Grade CA6NM	ASME	USA	Casting
SA-487 Grade CA6NMA	ASME	USA	Casting
SA-487 Grade CA6NMB	ASME	USA	Casting
SA-487 Class CA6NM	ASME	USA	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](mailto:marketing@gravitycastindia.com)**

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