

Material: ASTM A487 CA6NM(A)

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		
Carbon	C %	0.060 max.
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.
Other	Ot %	0.500 max.
Iron	Fe %	Balance
-	-	-
-	-	-

Heat Treatment	
Annealing or Normalising or Hardening + Tempering	

Mechanical Properties	
Tensile Strength in Mpa	760 - 930
Yield Strength in Mpa	550 min.
Elongation in %	15 min.
Reduction of Area in %	35 min.
Hardness in BHN	-
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

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com