

Material - ASTM A352 CA6NM

Standard Specification for Steel Castings, Ferritic and Martensitic, for Pressure-Containing Parts, Suitable for Low-Temperature Service

Group - Ferrous Stainless Steel Alloys

Sub Group - ASTM A352 / A352M Steel Castings, Ferritic and Martensitic, for Pressure-Containing Parts, Suitable for Low-Temperature 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.	Normalising + Tempering or Hardening + Tempering	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	11.500 - 14.000		
Nickel	Ni %	3.500 - 4.500		
Molybdenum	Mo %	0.400 - 1.000		
Iron	Fe %	Balance	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	27 min. @ -73°C

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
ASTM A743 CA6NM	ASTM	USA	Casting
A356 CA6NM	ASTM	USA	Casting
A487 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

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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