

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.																
Other	Ot %	0.500 max.																
Iron	Fe %	Balance																
-	-	-	<table border="1"> <thead> <tr> <th colspan="2">Mechanical Properties</th> </tr> </thead> <tbody> <tr> <td>Tensile Strength in Mpa</td> <td>690 min.</td> </tr> <tr> <td>Yield Strength in Mpa</td> <td>515 min.</td> </tr> <tr> <td>Elongation in %</td> <td>17 min.</td> </tr> <tr> <td>Reduction of Area in %</td> <td>35 min.</td> </tr> <tr> <td>Hardness in HB</td> <td>255 min.</td> </tr> <tr> <td>Impact in Joule</td> <td>-</td> </tr> </tbody> </table>		Mechanical Properties		Tensile Strength in Mpa	690 min.	Yield Strength in Mpa	515 min.	Elongation in %	17 min.	Reduction of Area in %	35 min.	Hardness in HB	255 min.	Impact in Joule	-
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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

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