

Material: ASME SA-487 Grade CA6NM Class A

Standard Specification for Low Alloy Steel and Martensitic Stainless Steel Castings Suitable for Pressure Containing Parts

Group: Ferrous Stainless Steel Alloys

Sub Group: ASME SA-487 Grade CA6NM Class A Low Alloy Steel and Martensitic Stainless Steel Castings Suitable for Pressure Containing Parts

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.	Heating + Reheating + Aging	
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		
Vanadium	V %	0.050 max.		
Tungsten	W %	0.100 max.		
Copper	Cu %	0.500 max.		
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	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
ASME SA-352 CA6NM	ASME	USA	Casting
ASME SA-487 CA6NMb	ASME	USA	Casting
ASME SA-487 Class CA6NM	ASME	USA	Casting
A 352 CA6NM	ASTM	USA	Casting
A 356 CA6NM	ASTM	USA	Casting
A 487 CA6NM	ASTM	USA	Casting
A743 CA6NM	ASTM	USA	Casting

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