

Material: ASME SA-731 CA6NM

Standard Specification for Castings, Seamless and Ferritic Stainless Steel Pipe

Group: Ferrous Stainless Steel Alloys

Sub Group: ASME SA-731 CA6NM Seamless and Ferritic Stainless Steel Pipe

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

Grade Belongs to the Industry: Pipe

Chemical Composition			Heat Treatment	
Carbon	C %	0.050 max.	Normalizing or Annealing or Hardening + Tempering	
Silicon	Si %	0.060 max.		
Manganese	Mn %	0.050 - 1.000		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	11.500 - 14.000		
Molybdenum	Mo %	0.500 - 1.000		
Ni+Cu	Ni% + Cu%	3.500 - 5.500		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	795 min.
-	-	-	Yield Strength in Mpa	620 min.
-	-	-	Elongation in %	15 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A731 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

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