Material: ASTM A731 18Cr-2Mo

Standard Specification for Castings, Seamless and Ferritic Stainless Steel Pipe

Group: *Ferrous Stainless Steel Alloys*
Sub Group: *ASTM A731/ A731M 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		
Carbon	C %	0.025 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	17.500 - 19.500
Molybdenum	Mo %	1.750 - 2.500
Ti + Nb	Ti% + Nb%	0.800 max.
Nitrogen	N %	0.035 max.
Ni+Cu	Ni% + Cu%	1.000 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Annealing or Hardening + Tempering

Mechanical Properties	
Tensile Strength in Mpa	415 min.
Yield Strength in Mpa	275 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
SA-731 18Cr-2Mo	ASME	USA	Casting
444	AS	Australia	Plate, Sheet and Strip
A176 S44400	ASTM	USA	Plate, Sheet and Strip
F.3123	UNE	Spain	Plate, Sheet and Strip
S44400	UNS	USA	Plate, Sheet and Strip
X2 CrMo TiNb 18-2	UNE	Spain	Plate, Sheet and Strip
444	SAE	USA	Plate, Sheet and Strip

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