

Material: ASTM A352 LC9

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

Group: Ferrous Mild 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 %	0.130 max.	Normalising + Tempering or Hardening + Tempering	
Silicon	Si %	0.450 max.		
Manganese	Mn %	0.900 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.045 max.		
Chromium	Cr %	0.500 max.		
Nickel	Ni %	8.500 - 10.000		
Molybdenum	Mo %	0.200 max.		
Copper	Cu %	0.300 max.		
Vanadium	V %	0.030 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	585 min.
			Yield Strength in Mpa	515 min.
			Elongation in %	20 min.
			Reduction of Area in %	30 min.
			Hardness in BHN	-
			Impact in Joule	27 min. @ -196°C

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J31300	UNS	USA	Casting
SA-352 LC9	ASME	USA	Casting
B-136 Grade LC9	NMX	Maxico	Casting
A352 J31300	ASTM	USA	Casting
-	-	-	-
-	-	-	-
-	-	-	-

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