

Material: ASME SA-352 Grade LC9

Standard Specification for Ferritic Steel Castings for Pressure-Containing Parts Suitable for Low Temperature Services

Group: Ferrous Stainless Steel Alloys

Sub Group: ASME SA-352 Grade LC9 Ferritic Steel Castings for Pressure-Containing Parts Suitable for Low Temperature Services

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

Grade Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	0.130 max.
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.
Vanadium	V %	0.030 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
Normalizing + Tempering or Hardening + Tempering	

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	-

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

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