

Material: ASME SA-352 LCC

Standard Specification for Castings for Valves, Flanges, Fittings, and Other Pressure Containing Parts

Group: Ferrous Mild Steel Alloys

Sub Group: ASME SA-352 LCC Castings for Valves, Flanges, Fittings, and Other 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 %	0.250 max.	Normalizing + Tempering or Hardening + Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	1.200 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.045 max.		
Chromium	Cr %	0.500 max.		
Nickel	Ni %	0.500 max.		
Molybdenum	Mo %	0.200 max.		
Vanadium	V %	0.030 max.		
Copper	Cu %	0.300 max.		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	485 - 655
-	-	-	Yield Strength in Mpa	275 min.
-	-	-	Elongation in %	22 min.
-	-	-	Reduction of Area in %	35 min.
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J02505	UNS	USA	Casting
A352 LCC	ASTM	USA	Casting
SA 352 LCB	ASME	USA	Casting
SA 660 WCC	ASME	USA	Centrifugal Casting
A216 WCB	ASTM	USA	Casting
1.0619	EN	European Union	Casting
1.0619	DIN	Germany	Casting

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