

Material: ASME SA-352 LCB

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

Group: Ferrous Mild Steel Alloys

Sub Group: ASME SA-352 LCB 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 %	0.300 max.	Normalizing + Tempering or Hardening + Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.045 max.		
Chromium	Cr %	0.500 max.		
Nickel	Ni %	0.500		
Molybdenum	Mo %	0.200 max.		
Vanadium	V %	0.030 max.		
Copper	Cu %	0.300 max.		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	450 - 620
			Yield Strength in Mpa	240 min.
			Elongation in %	24 min.
			Reduction of Area in %	35 min.
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J03003	UNS	USA	Casting
1.1156	DIN	Germany	Casting
1.1156	EN	USA	Casting
GC24E	EN	European Union	Casting
A352 LCB	ASTM	USA	Casting
1.0619	DIN	Germany	Casting
1.0619	EN	European Union	Casting

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