

Material: ASTM A352 LCB

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 %	0.300 max.	Normalising + 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 max.		
Molybdenum	Mo %	0.200 max.		
Copper	Cu %	0.300 max.		
Vanadium	V %	0.030 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	18 min. @ -46°C

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J03003	UNS	USA	Casting
SA 352 LCB	ASME	USA	Casting
1.1156	DIN	Germany	Casting
GC24E	EN	European Union	Casting
1.1156	EN	European Union	Casting
1.0619	EN	European Union	Casting
1.0619	DIN	Germany	Casting

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