

Material: ASTM A352 LCA

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 %	0.250 max.	Normalising + Tempering or Hardening + Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	0.700 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 415 - 585 Yield Strength in Mpa 205 min. Elongation in % 24 min. Reduction of Area in % 35 min. Hardness in BHN - Impact in Joule 18 min. @ -32°C	
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-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J02504	UNS	USA	Casting
SA 352 LCA	ASME	USA	Casting
J02502	UNS	USA	Casting
1.0619	EN	European Union	Casting
1.0619	DIN	Germany	Casting
A216 WCB	ASTM	USA	Casting
SA 216 WCB	ASME	USA	Casting

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