

Material: ASTM A352 LC4

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 %	0.150 max.	Normalising + Tempering or Hardening + Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	0.500 - 0.800		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.045 max.		
Nickel	Ni %	4.000 - 5.000		
Iron	Fe %	Balance		
-	-	-		
-	-	-	Mechanical Properties Tensile Strength in Mpa 485 - 655 Yield Strength in Mpa 275 min. Elongation in % 24 min. Reduction of Area in % 35 min. Hardness in BHN - Impact in Joule 20 min. @ -115°C	
-	-	-		
-	-	-		
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J14500	UNS	USA	Casting
SA 352 LC4	ASME	USA	Casting
AM8Ni18	UNE	Spain	Casting
J14501	UNS	USA	Casting
F.8375	UNE	Spain	Casting
A757 B4N B4Q	ASTM	USA	Casting
B-136 Grade LC4	NMX	Maxico	Casting

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