

Material: ASTM A352 LC2

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 %	0.500 - 0.800		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.045 max.		
Nickel	Ni %	2.000 - 3.000		
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. @ -73°C

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J22500	UNS	USA	Casting
SA 352 LC2	ASME	USA	Casting
1.5635	DIN	Germany	Steel
G22Ni10	UNI	Italy	Casting
G9Ni10	AFNOR NF	France	Casting
SCPL21	JIS	Japan	Casting
F.8373	UNE	Spain	Casting

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