

Material: ASME SA-352 LC2

Standard Specification for Ferritic Steel Castings for Pressure-Containing Parts Suitable for Low Temperature Services

Group: Ferrous Mild Steel Alloys

Sub Group: ASME SA-352 LC2 Ferritic Steel Castings for Pressure-Containing Parts Suitable for Low Temperature Services

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	0.250 max.
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing + Tempering or Hardening + Tempering

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	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J22500	UNS	USA	Casting
1.5635	DIN	Germany	Steel
G22Ni10	UNI	Italy	Casting
G9Ni10	AFNOR NF	France	Casting
SCPL 21	JIS	Japan	Casting
F.8373	UNE	Spain	Casting
A352 LC2	ASTM	USA	Casting

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