



**GRAVITY CAST PVT. LTD.**  
GRAVITY GROUP OF COMPANIES

## 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			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		
-	-	-	<b>Mechanical Properties</b> 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      -	
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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

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

**ONE STOP SOLUTION FOR METAL PARTS**