



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

## Material - ASTM A352 LC2-1

**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 %	0.220 max.	Normalising + Tempering or Hardening + Tempering	
Silicon	Si %	0.500 max.		
Manganese	Mn %	0.550 - 0.750		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.045 max.		
Chromium	Cr %	1.350 - 1.850		
Nickel	Ni %	2.500 - 3.500		
Molybdenum	Mo %	0.300 - 0.600		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	725 - 895
			Yield Strength in Mpa	550 min.
			Elongation in %	18 min.
			Reduction of Area in %	30 min.
			Hardness in BHN	-
			Impact in Joule	41 min. @ -73°C

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J42215	UNS	USA	Casting
SA 352 LC2-1	ASME	USA	Casting
1.6783	DIN	Germany	Casting
20NCD 12M	AFNOR NF	France	Casting
T 15 MoCrNi 30r	STAS	Romania	Casting
1.6783	EN	European Union	Casting
J42015	UNS	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**