

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

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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