Material - ASTM A352 Grade LC1

Standard Specification for Ferritic and Martensitic Steel Castings for Pressure Containing Parts

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A352 Grade LC1 Ferritic and Martensitic Steel Castings for Pressure Containing Parts

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.
Molybdenum	Mo %	0.450 - 0.650
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalising or Annealing or Hardening + Tempering

Mechanical Properties	
Tensile Strength in Mpa	450 - 620
Yield Strength in Mpa	240 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
SA217 WC1	ASME	USA	Casting
G20 Mo 5	EN	European Union	Casting
SCPH 11	JIS	Japan	Casting
J12524	UNS	USA	Casting
G 20 MO5	DIN	Germany	Casting
G 20 MO5	UNI	Italy	Casting
A217 Grade WC1	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

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