

Material: ASTM A 352 Grade LC2

Standard Specification for Steel Castings for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 352 Grade LC2 Steel Castings for Pressure Purposes

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 or Quenching or Solution Annealing

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
EN 10213 G9Ni10	BS	British	Plate, Tubes and Forging
A 352 J22500	ASTM	USA	Casting
G 9 Ni 10	NBN	Belgium	Casting
G 9 Ni 10	BDS	Bulgaria	Casting
G 9 Ni 10	CSN	Czech Republic	Casting
G 9 Ni 10	EN	European Union	Casting
G 9 Ni 10	SFS	Finland	Casting

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