

# 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			Heat Treatment	
Carbon	C %	0.250 max.	Normalizing or Quenching or Solution Annealing	
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 -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

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

**Disclaimer:** All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)