

Material: EN 1.5638

Standard Specification for Steel Castings for Pressure Purposes; Steel Grades for Use at Low Temperatures

Group: Ferrous Mild Steel Alloys

Sub Group: EN 1.5638 Steel Castings for Pressure Purposes; Steel Grades for Use at Low Temperatures

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.060 - 0.120	Normalizing + Tempering or Hardening + Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	0.500 - 0.800		
Phosphorus	P %	0.020 max.		
Sulphur	S %	0.015 max.		
Nickel	Ni %	3.000 - 4.000		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 500 - 650 Yield Strength in Mpa 360 min. Elongation in % 20 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 27 @ J RT	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SA-352 Grade LC3	ASME	USA	Casting
1.5638	DIN	Germany	Casting
J31550	UNS	USA	Casting
503-490	BS	British	Forging
AM8Ni14	UNE	Spain	Casting
G12Ni14	UNI	Italy	Casting
A352 LC3	ASTM	USA	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