

Material: JIS SCPL1

Standard Specification for Steel Castings for Low Temperature and High Pressure Service

Group: Ferrous Mild Steel Alloys

Sub Group: JIS SCPL1 Steel Castings for Low Temperature and High Pressure Service

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.300 max.	Annealing or Normalizing or Hardening + Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	0.100 max.		
Nickel	Ni %	0.500 max.		
Copper	Cu %	0.500 max.		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	450 min.
-	-	-	Yield Strength in Mpa	245 min.
-	-	-	Elongation in %	21 min.
-	-	-	Reduction of Area in %	35 min.
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J03011	UNS	USA	Casting
1.1811	DIN	Germany	Casting
161-480	BS	British	Casting
1.5408	EN	European Union	Rod, Bars, Wire and Extrusion
1030	AISI	USA	Forging, Bar, Wire, and Shape
A732 2Q	ASTM	USA	Casting
A732 2A	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