

Material: ISO 1.7365

Standard Specification for Steel Castings for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: ISO 1.7365 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 %	0.120 - 0.190
Silicon	Si %	0.800 max.
Manganese	Mn %	0.500 - 0.800
Phosphorus	P %	0.025 max.
Sulphur	S %	0.025 max.
Chromium	Cr %	4.000 - 6.000
Molybdenum	Mo %	0.450 - 0.650
Copper	Cu %	0.300 max.
Vanadium	V %	0.050 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Quenching or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	630 - 760
Yield Strength in Mpa	420 min.
Elongation in %	16 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
EN 10213 GX15CrMo5	BS	British	Plate, Tubes and Forging
GX15CrMo5	ISO	International	Casting
SCPH 61	JIS	Japan	Casting
A 217 Grade C5	ASTM	USA	Casting
A 217 J42045	ASTM	USA	Casting
1.7365	BS	British	Casting
GX 15 CrMo 5	SS	Sweden	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