

Material: EN GX2CrNiMoN25-7-3

Standard Specification for Steel Castings for Pressure Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: EN GX2CrNiMoN25-7-3 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 %	0.030 max.	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.020 max.		
Chromium	Cr %	24.000 - 26.000		
Molybdenum	Mo %	3.000 - 4.000		
Nickel	Ni %	6.000 - 8.500		
Tungsten	W %	1.000 max.		
Copper	Cu %	1.000 max.		
Nitrogen	N %	0.150 - 0.250	Mechanical Properties	
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	650 - 850
			Yield Strength in Mpa	480 min.
			Elongation in %	22 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	50 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4417	EN	European Union	Casting
1.4417	DIN	Germany	Casting
1.4417	DIN	Germany	Casting
GX2CrNiMoN25-7-3	UNS	USA	Casting
GX2CrNiMoN25-7-3	DIN	Germany	Casting
GX2CrNiMoN25-7-3	AFNOR NF	France	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