

Material: PN GX4CrNi13-4

Standard Specification for Steel Castings for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: PN GX4CrNi13-4 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 %	0.060 max.	Normalizing or Quenching or Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.025 max.		
Chromium	Cr %	12.000 - 13.500		
Molybdenum	Mo %	0.700 max.		
Nickel	Ni %	3.500 - 5.000		
Copper	Cu %	0.300 max.		
Vanadium	V %	0.800 max.		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	700 - 960
-	-	-	Yield Strength in Mpa	500 min.
-	-	-	Elongation in %	12 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	-
-	-	-	Impact in Joule	27 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN 10213 GX4CrNi13-4	BS	British	Plate, Tubes and Forging
GX4CrNi13-4	ISO	International	Casting
1.4317	ISO	International	Casting
A 743 Grade CA-6NM	ASTM	USA	Casting
A 743 J91540	ASTM	USA	Casting
GX4CrNi13-4	UNE	Spain	Casting
GX4CrNi13-4	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