

# Material: UNS N08002

## Standard Specification for Castings, Iron-Chromium, Iron-Chromium-Nickel Corrosion Resistant, for General Application

**Group:** Non-Ferrous Cobalt Alloys

**Sub Group:** UNS N08002 Castings, Iron-Chromium, Iron-Chromium-Nickel Corrosion Resistant, for General Application

**Application:** Intended for Valve, Pump, General Engineering, Automotive, Medical and other Industries

**Grade Belongs to the Industry:** Casting

Chemical Composition		
Carbon	C %	0.350 - 0.750
Silicon	Si %	2.500 max.
Manganese	Mn %	2.000 max.
Chromium	Cr %	13.000 - 17.000
Molybdenum	Mo %	0.500 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.040 max.
Nickel	Ni %	33.000 - 37.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
As-Cast or Annealing or Age Hardning	

Mechanical Properties	
Tensile Strength in Mpa	-
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
13505 Grade 13	IS	India	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](mailto:info@icastllp.com)



+91-99090 45075



[info@icastllp.com](mailto:info@icastllp.com)



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India