GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - UNS N08004

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

Group - Non-Ferrous Cobalt Alloys

Sub Group - UNS N08004 Castings, Iron-Chromium, Iron-Choromium-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 %	17.000 - 21.000
Molybdenum	Mo %	0.500 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.040 max.
Nickel	Ni %	37.000 - 41.000
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

Mechanical Properties	
Tensile Strength in Mpa	450 min.
Yield Strength in Mpa	-
Elongation in %	4 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
13505 Grade 14	IS	India	Casting
A 297 Grade HU	ASTM	USA	Casting
J95405	UNS	USA	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com