



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - Gravity Hastelloy C22

Standard Specification for Nickel and Nickel-Related Alloy Wire

Group - Non-Ferrous Nickel Alloys

Sub Group - Gravity Hastelloy C22 Nickel and Nickel-Related Alloy Wire

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry - Wire

Chemical Composition			Heat Treatment	
Carbon	C %	0.015 max.	As-Cast or Annealing or Age Hardning	
Chromium	Cr %	20.000 - 22.500		
Cobalt	Co %	2.500 max.		
Iron	Fe %	2.000 - 6.000		
Manganese	Mn %	0.500 max.		
Molybdenum	Mo %	12.500 - 14.500		
Phosphorus	P %	0.020 max.		
Sulphur	S %	0.020 max.		
Silicon	Si %	0.080 max.		
Vanadium	V %	0.350 max.		
Tungsten	W %	2.500 - 3.500	Mechanical Properties	
Nickel	Ni %	Balance	Tensile Strength in Mpa	765 - 1700
-	-	-	Yield Strength in Mpa	359 - 407
-	-	-	Elongation in %	57 - 70
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HRC	84 - 88
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B472 N06022	ASTM	USA	Wire
N06022	UNS	USA	Wire
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

ONE STOP SOLUTION FOR METAL PARTS