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		
Carbon	C %	0.015 max.
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
Nickel	Ni %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

Mechanical Properties	
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