



Material - ASTM B472 N06022

Standard Specification for Nickel and Nickel-Related Alloy Wire

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B472 N06022 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
Hastelloy C22	Gravity	India	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

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