



Material - AFNOR NF C-NiCr21Mo14Fe4W3

Standard Specification for Castings, Nickel and Nickel Alloy

Group - Non-Ferrous Nickel Alloys

Sub Group - AFNOR NF C-NiCr21Mo14Fe4W3 Castings, Nickel and Nickel Alloy

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment			
Carbon	C %	0.020 max.	As-Cast or Annealing or Age Hardning			
Silicon	Si %	0.800 max.				
Manganese	Mn %	1.000 max.				
Phosphorus	P %	0.025 max.				
Sulphur	S %	0.025 max.				
Chromium	Cr %	20.000 - 22.500				
Tungsten	W %	2.500 - 3.500				
Molybdenum	Mo %	12.500 - 14.500				
Vanadium	V %	0.350 max.				
Iron	Fe %	2.000 - 6.000				
Nickel	Ni %	Balance	<th colspan="2">Mechanical Properties</th>		Mechanical Properties	
-	-	-	Tensile Strength in Mpa	550 min.		
-	-	-	Yield Strength in Mpa	280 min.		
-	-	-	Elongation in %	30 min.		
-	-	-	Reduction of Area in %	-		
-	-	-	Hardness in BHN	-		
-	-	-	Impact in Joule	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A 494 CX2MW	ASTM	USA	Casting
SA-494 CX2MW	ASME	USA	Casting
NC6022	AFNOR NF	France	Casting
N26002	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

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