

Material: ASTM A 494 CX2MW

Standard Specification for Castings, Nickel and Nickel Alloy

Group: Non-Ferrous Nickel Alloys

Sub Group: ASTM A 494 CX2MW 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 %	0.020 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	Mechanical Properties	
Nickel	Ni %	Balance	Tensile Strength in Mpa	550 min.
-	-	-	Yield Strength in Mpa	310 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
SA-494 CX2MW	ASME	USA	Casting
C-NiCr21Mo14Fe4W3	AFNOR NF	France	Casting
NC6022	AFNOR NF	France	Casting
N26002	UNS	USA	Casting
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Customer Care: +91-99090 45075 Email: info@icastllp.com