

Material: ASME SA-494 CU5MCuC

Standard Specification for Castings, Nickel and Nickel Alloy

Group: Non-Ferrous Nickel Alloys

Sub Group: ASME SA-494 CU5MCuC 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 %	0.050 max.	As-Cast or Annealing or Age Hardening	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.020 max.		
Chromium	Cr %	19.500 - 23.500		
Nickel	Ni %	38.000 - 44.000		
Molybdenum	Mo %	2.500 - 3.500		
Niobium	Nb %	0.600 - 1.200		
Copper	Cu %	1.500 - 3.500		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 520 min. Yield Strength in Mpa 240 min. Elongation in % 20 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A 494 CU5MCuC	ASTM	USA	Casting
C-NiFe30Cr20Mo3CuNb	AFNOR NF	France	Casting
NC8826	AFNOR NF	France	Casting
N08826	UNS	USA	Casting
-	-	-	-
-	-	-	-
-	-	-	-

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com