



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 Hardning	
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 -	
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-	-	-		
-	-	-		
-	-	-		
-	-	-		

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
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-	-	-	-
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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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