

Material: DIN 2.4694

Standard Specification for Nickel and Nickel Alloy Casting

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN 2.4694 Nickel and Nickel Alloy Casting

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.080 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.500 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	14.000 - 17.000		
Copper	Cu %	0.500 max.		
Aluminium	Al %	0.800 - 1.600		
Iron	Fe %	5.000 - 9.000		
Niobium	Nb %	0.700 - 1.200		
Phosphorus	P %	0.015 max.		
Sulphur	S %	0.010 max.		
			Mechanical Properties	
Titanium	Ti %	2.000 - 2.600	Tensile Strength in Mpa	782 min.
Nickel	Ni %	70.000 min.	Yield Strength in Mpa	391 min.
-	-	-	Elongation in %	42 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
NiCr16 Fe 7 TiAl	DIN	Germany	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