

Material: DIN NiCr16 Fe 7 TiAl

Standard Specification for Nickel and Nickel Alloy Casting

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN NiCr16 Fe 7 TiAl 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
2.4694	DIN	Germany	Casting
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