

Material: DIN 2.4819

Standard Specification for Nickel and Nickel Alloy Casting

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN 2.4819 Nickel and Nickel Alloy Casting

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

Grade Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	0.010 max.
Silicon	Si %	0.080 max.
Manganese	Mn %	1.000 max.
Chromium	Cr %	14.500 - 16.500
Cobalt	Co %	2.500 max.
Iron	Fe %	4.000 - 7.000
Molybdenum	Mo %	15.000 - 17.000
Phosphorus	P %	0.025 max.
Sulphur	S %	0.010 max.
Vanadium	V %	0.350 max.
Tungsten	W %	3.000 - 4.500
Nickel	Ni %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

Mechanical Properties	
Tensile Strength in Mpa	690 - 1000
Yield Strength in Mpa	280 min.
Elongation in %	25 min.
Reduction of Area in %	-
Hardness in HB	240 max.
Impact in Joule	72 @RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
NiMo16Cr15W	DIN	Germany	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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