

Material: DIN 2.4606

Standard Specification for Nickel and Nickel Alloy Casting

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN 2.4606 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 %	0.010 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.080 max.		
Manganese	Mn %	0.750 max.		
Chromium	Cr %	19.000 - 23.000		
Cobalt	Co %	1.000 max.		
Aluminium	Al %	0.500 max.		
Molybdenum	Mo %	15.000 - 17.000		
Iron	Fe %	2.000 max.		
Phosphorus	P %	0.025 max.	Mechanical Properties	
Sulphur	S %	0.015 max.	Tensile Strength in Mpa	690 min.
Titanium	Ti %	0.020 - 0.250	Yield Strength in Mpa	310 min.
Vanadium	V %	0.200 max.	Elongation in %	40 min.
Tungsten	W %	3.000 - 4.400	Reduction of Area in %	-
Nickel	Ni %	Balance	Hardness in BHN	240 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
2.4606	DIN	Germany	Casting
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