

Material: DIN 2.4813

Standard Specification for Nickel and Nickel Alloy Casting

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN 2.4813 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 %	0.100 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	14.500 max.		
Cobalt	Co %	2.500 max.		
Iron	Fe %	2.000 - 7.000		
Cr + W	Cr% + W%	21.000 max.		
Molybdenum	Mo %	14.000 - 17.000		
Sulphur	S %	0.025 max.	Mechanical Properties	
Vanadium	V %	0.350 max.	Tensile Strength in Mpa	540 - 740
Tungsten	W %	5.000 max.	Yield Strength in Mpa	270 min.
Nickel	Ni %	50.000 min.	Elongation in %	8 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
S-NiMo15Cr	DIN	Germany	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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