

Material: DIN 2.4679

Standard Specification for Nickel and Nickel Alloy Castings

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN 2.4679 Nickel and Nickel Alloy Castings

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.350 - 0.550	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.500 - 2.000		
Manganese	Mn %	0.500 - 1.500		
Chromium	Cr %	27.000 - 30.000		
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.030 max.		
Tungsten	W %	4.000 - 5.500		
Nickel	Ni %	47.000 - 50.000		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	400 - 600
-	-	-	Yield Strength in Mpa	220 min.
-	-	-	Elongation in %	3 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4879	DIN	Germany	Casting
2.4879	DIN	Germany	Casting
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-	-	-	-
-	-	-	-
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