

Material: DIN 2.4052

Standard Specification for Nickel and Nickel Alloy Castings

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN 2.4052 Nickel and Nickel Alloy Castings

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

Grade Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	0.050 max.
Silicon	Si %	0.010 max.
Manganese	Mn %	0.100 max.
Copper	Cu %	0.030 max.
Iron	Fe %	0.070 max.
Magnesium	Mg %	0.030 - 0.070
Sulphur	S %	0.005 max.
Ni + Co	Ni% + Co%	99.700 min.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

Mechanical Properties	
Tensile Strength in Mpa	345 min.
Yield Strength in Mpa	70 min.
Elongation in %	40 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Ni99,7Mg0,05	DIN	Germany	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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