

Material: DIN Ni99,7Mg0,05

Standard Specification for Nickel and Nickel Alloy Castings

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN Ni99,7Mg0,05 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 %	0.050 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.010 max.		
Manganese	Mn %	0.010 max.		
Copper	Cu %	0.030 max.		
Iron	Fe %	0.070 max.		
Magnesium	Mg %	0.040 - 0.060		
Sulphur	S %	0.005 max.		
Ni + Co	Ni% + Co%	99.700 min.		
-	-	-		
-	-	-		
			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
2.4052	DIN	Germany	Casting
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Customer Care: +91-99090 45075 Email: info@icastllp.com