

Material: DIN 2.4180

Standard Specification for Nickel and Nickel-Copper Alloy Casting

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN 2.4180 Nickel and Nickel-Copper Alloy Casting

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

Grade Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	1.000 max.
Silicon	Si %	5.500 - 6.500
Manganese	Mn %	1.500 max.
Copper	Cu %	1.200 max.
Iron	Fe %	1.000 max.
Other	Ot%	0.200 max.
Ni + Co	Ni% + Co%	90.000 min.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

Mechanical Properties	
Tensile Strength in Mpa	500 min.
Yield Strength in Mpa	350 min.
Elongation in %	3 min.
Reduction of Area in %	-
Hardness in HRB	180 min.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
G-Ni90Si	DIN	Germany	Casting
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-	-	-	-
-	-	-	-
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-	-	-	-
-	-	-	-

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