

Material: DIN G-Ni90Si

Standard Specification for Nickel and Nickel-Copper Alloy Casting

Group: Non-Ferrous Nickel Alloys

Sub Group: DIN G-Ni90Si 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
2.418	DIN	Germany	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India