

Material: UNS K94610

Standard Specification for Iron Nickel Cobalt Sealing Alloys Castings

Group: Non-Ferrous Nickel Alloys

Sub Group: UNS K94610 Iron Nickel Cobalt Sealing Alloys Castings

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.040 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.200 max.		
Manganese	Mn %	0.500 max.		
Aluminium	Al %	0.100 max.		
Magnesium	Mg %	0.100 max.		
Zirconium	Zr %	0.100 max.		
Titanium	Ti %	0.100 max.		
Copper	Cu %	0.200 max.		
Chromium	Cr %	0.200 max.		
Molybdenum	Mo %	0.200 max.		
Cobalt	Co %	17.000 min.	Mechanical Properties	
Nickel	Ni %	29.000 min.	Tensile Strength in Mpa	520 - 860
Iron	Fe %	53.000 min.	Yield Strength in Mpa	400 min.
-	-	-	Elongation in %	27 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HV	149 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
12549	IS	India	Casting
Kovar	SAE	USA	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