



Material - UNS N94620

Standard Specification for Iron Nickel Cobalt Sealing Alloys

Group - Ferrous Iron-Nickel-Cobalt Alloys

Sub Group - UNS N94620 Iron Nickel Cobalt Sealing Alloys

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Wire, Rod, Sheet and Strips

Chemical Composition			Heat Treatment	
Carbon	C %	0.020 max.	Solution Annealing	
Silicon	Si %	0.150 max.		
Manganese	Mn %	0.350 max.		
Phosphorus	P %	0.006 max.		
Sulphur	S %	0.006 max.		
Chromium	Cr %	0.030 max.		
Nickel	Ni %	29.000 max.		
Molybdenum	Mo %	0.060 max.		
Magnesium	Mg %	0.010 max.		
Titanium	Ti %	0.010 max.		
Zirconium	Zr %	0.010 max.	Mechanical Properties	
Copper	Cu %	0.200 max.	Tensile Strength in Mpa	-
Copper	Cu %	0.200 max.	Yield Strength in Mpa	-
Aluminium	Al %	0.010 max.	Elongation in %	-
Iron	Fe %	Balance	Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
12549.0000	IS	India	Wire, Rod, Sheet and Strips
AMS 7726	SAE	USA	Wire, Rod, Sheet and Strips
AMS 7727	SAE	USA	Wire, Rod, Sheet and Strips
AMS 7728	SAE	USA	Wire, Rod, Sheet and Strips
K94610	UNS	USA	Wire, Rod, Sheet and Strips
K94630	UNS	USA	Wire, Rod, Sheet and Strips
-	-	-	-

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.