

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		
Carbon	C %	0.020 max.
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.
Copper	Cu %	0.200 max.
Copper	Cu %	0.200 max.
Aluminium	Al %	0.010 max.
Iron	Fe %	Balance

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	-
Yield Strength in Mpa	-
Elongation in %	-
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
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