



Kovar Invar Alloy Nickel Alloy Expansion Alloy Invar 36 42 Seamless Tube

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE,ROHS,ISO 9001Product Name
- Model Number: Kovar 4J29
- Minimum Order Quantity: 5 Kg
- Price: 10 - 499 kilograms \$30.00
- Packaging Details: Plastic film or waterproof woven bag inside, wire packed in spool put into carton,coil wire or strip wire put into wooden case
- Delivery Time: 5-21 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month



Product Specification

- Product Name: Kovar Tube
- Material: Nickel Base Alloy
- Ni (Min): 35%
- Resistance ($\mu\Omega.m$): Stable
- Powder Or Not: Not Powder
- Ultimate Strength ($\geq$ MPa): 690
- Elongation ($\geq$ %): 35%
- Application: Aerospace Industry,Chemical Industry,Marine Industry
- Chemical Composition: Fe ,Ni ,Co ,Al, Si ,Mn Etc.
- Size: Customized Size
- Highlight: Kovar Invar Alloy Seamless Tube, Expansion Alloy Invar Seamless Tube, Nickel Alloy Invar Seamless Tube



More Images



Product Description

Kovar Tube is a special alloy tube using the brand Kovar, which has excellent thermal expansion properties, dimensional stability and processability. It plays an important role in fields such as electronic packaging, aerospace, optoelectronic instruments, and semiconductors. Kovar Tube's thermal expansion properties make it an ideal packaging and connection material, while its excellent dimensional stability ensures device stability under temperature changes. Whether used as a packaging component or a structural component, Kovar Tube provides reliable performance and stable dimensional characteristics.

Alloy Type	Trade Name	UNS No.	Specifications	Forms Of Supply		
				Rod	Strip	Wire

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Ni29Co17	Kovar	K94610	ASTM F15	√	√		√
FeNi36	Invar 36	K93603	ASTM 1684	√	√		
FeNi32Co5	Super Invar 32-5	KI93500	ASTMF1684	√	√		
FeNi27Co25	Ceramvar	F1466	ASTMF1466	√	√		√
FeNi42	Alloy 42	K94100	ASTM F30	√	√		
FeNi46	Alloy 46	K94600	ASTM F30	√	√		
FeNi48	Alloy 48	K94800	ASTMF30	√	√		
FeNi50	Alloy 52	K95050	ASTM F30	√	√		√

Item	1J33	3J01	3J9	4J29	4J32	4J33	4J45	FeNi50
C	≤0.05	≤0.05	0.22-0.26	≤0.03	≤0.05	≤0.03	≤0.05	≤0.05
Mn	≤0.05	≤1.00	1.80-2.20	≤0.5	0.2-0.6	≤0.5	≤0.8	≤0.8
Fe	Rest							
P	≤0.020	≤0.020	≤0.03	≤0.02	≤0.02	≤0.02	≤0.02	≤0.02
S	≤0.020	≤0.020	≤0.020	≤0.02	≤0.02	≤0.02	≤0.02	≤0.02
Si	0.30-0.6	≤0.80	1.30-1.70	≤0.3	≤0.2	≤0.3	≤0.3	≤0.3
Ni	32.8-33.8	34.5-36.5	9.0-10.5	28.5-29.5	31.5-33	28.5-29.5	44.5-45.5	49.5-50.5
Al	1.0-2.0	1.00-1.80	--	--	--	--	≤0.1	≤0.1
Co	--	--	--	16.8-17.8	3.2-4.2	16.8-17.8	-	-
Ti	-	2.70-3.20	-	-	-	-	-	-
Cu	-	--	--	--	≤0.2	0.4-0.8	≤0.2	--
Cr	--	11.5-13.0	19.0-20.5	≤0.2	--	≤0.2	--	--
Mo	--	--	1.60-1.85	≤0.2	--	≤0.2	--	--



Shape	Size(mm)
Wire	0.5-7.5
Rod/Bar	8.0-200
Strip	(0.5-2.5)*(5-180)
Tube	custom made
Plate	custom made



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