







Glass sealing Alloy 52 is a controlled expansion alloy made of 51 percent Nickel and balance Iron exhibits low thermal expansion properties. Due to a higher content of Nickel than its other Nickel Iron family members, it also exhibits good magnetic properties. It's commonly used in the Semiconductor and Telecommunications industry it also has a variety of other electronic applications.

With the addition of Iron, Alloy 52 is more durable than Nickel by itself and exhibits good machining properties.

Uses include Glass to Metal Seals, Magnetic Reed switches and Semiconductor applications.



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ALLOY 52

All Certified With Chemical & Physical Analysis

ROUND ROD

.040 Diameter .093 Diameter .250 Diameter

.0595 Diameter .125 Diameter .312 Diameter

.060 Diameter .156 Diameter .375 Diameter

.062 Diameter .162 Diameter .437 Diameter

.070 Diameter .187 Diameter

Other sizes available on request

National Electronic Alloys stocks the highest quality alloys for industry.

- ASTM F15 (Kovar)
- Invar 36
- Alloy 42
- Alloy 45/46
- Alloy 4750
- 48 Alloy
- 49 Alloy
- 52 Alloy
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- Magnetic Shielding Alloys
- OFHC Copper 101/102
- 1010 Carbon Steel
- 301 Stainless Steel
- 302/304 Stainless Steel
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Most orders ship within 24 hours



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