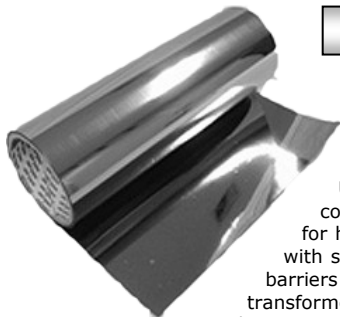


MAGNETIC SHIELDING



MAGNETIC SHIELDING FOIL

"The Best Material Available
for Shielding DC, ELF & VLF Magnetic Fields"

Used for years in industry to shield delicate electronic components from EMFs, now available at affordable prices for home and office use. This 80% nickel alloy is easy to trim with scissors and shape by hand. Can be formed into magnetic barriers on cellular phones, microwave ovens, doorbell transformers, VDTs, buried wiring, and more. With snug fitting shapes, get as much as 75% attenuation of the magnetic field with one thickness. Use multiple layers for even greater reduction. **Foil is 15" wide by either 0.004" or 0.010" thick and can be ordered in any length.** (We recommend the use of a gaussmeter to determine the proper shape and positioning of the shielding, and to confirm that the fields have been adequately reduced.)

CAUTION: Foil has sharp edges!

SPECIFICATIONS:

Wt: .004": 0.18 lb/ft²; .010: 0.45 lb/ft²
Temper: Annealed
Specification: MIL N 14411c, comp 1
Grain Size: 10
Hardness: HV 0.3 = 188
Coercive Force: HC = 0.005 Oersteds
Max. Permeability: MUMAX = 444000
Saturation Induction: B (10 OE) = 7600G

Chemical Analysis:

Ni: 80%, Fe: 15%, Mo: 5%
trace amounts of S, C, Mn, Si, & P

.004 (Cat. #Q276-15) . \$24.95/lin ft
.010 (Cat. #Q276-10) . \$39.95/lin ft

Shielding Foil Installation Notes:

- Enclosure shapes are much more effective than flat shielding or partial enclosures
- Cylindrical shapes generally provide more shielding than sharp angle bends..
- You can enclose either the source of the offending field, or the object(s) you wish to protect.
- Allow at least 1" overlap & achieve good foil-to-foil contact at all seams.
- Do not solder or weld. Heating permanently reduces shielding effectiveness.
- Spacer shims of 1/16" to 1/2" between layers improves shielding effectiveness.
- Avoid sharp angle bends in the alloy.
- Foil can be glued, screwed, nailed, taped, riveted or stapled to a supporting surface.
- Apply protective covering to all exposed edges. Edges are SHARP!



TIN SNIPS

Great for Cutting Magnetic Shielding Materials

10 inch long and heavy duty. Drop forged carbon steel, straight cutting. Double dipped soft comfort grip. Just right when you need to cut magnetic shielding materials including Giron, MagnetShield, and Magnetic Shielding Foil.

Tin Snips (Cat. #Q412) \$11.99

MUMETAL® WIRE

Unique Shape for Unique Shielding Applications

Do you have an application requiring Mumetal® in un-insulated wire format? We have it in two different diameters! Stress annealed Mumetal® alloy in 1 pound spools. Wind it, weave it, braid it. Create toroids, coils, chains or simply experiment with its unique properties! Be the first to create a truly magnetic shielded garment! .005" wire yields approximately 13400 ft per pound; .025" wire yields approximately 530 ft per pound. Spools in stock may vary from less than 1 lb to 5 lbs each. Mumetal® is a registered trademark of Magnetic Shielding Corp.



Mumetal® Wire .005" diam. 36 gauge (Cat. #Q275-5) \$55.00/ lb
Mumetal® Wire .025" diam. 22 gauge (Cat. #Q275-25) \$75.00/ lb

Toll free in USA: 1-888-537-7363
International: +1-518-608-6479

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