

Announcing . . .

Electron® Metallized Materials

Flexible metallized fabrics for a variety of EMI/RFI shielding applications

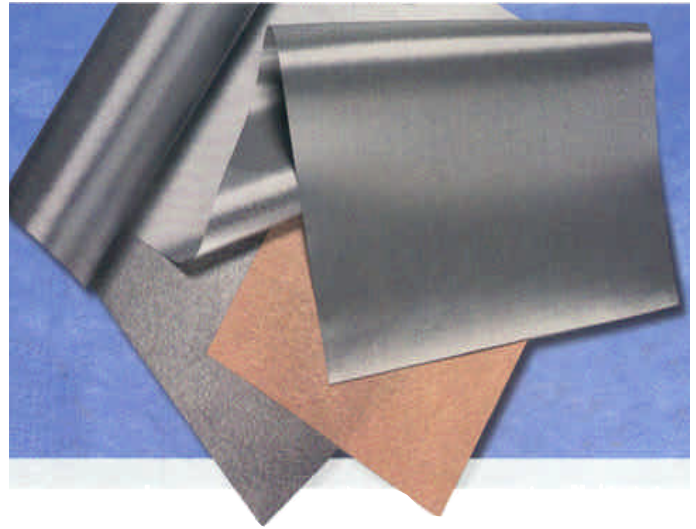
Laird Technologies™ Electron® Metallized Materials combine highly conductive metals with the flexibility and light weight of fabric to meet a diverse range of EMI/RFI shielding requirements. Manufactured using a patented, proprietary technology, Electron is available in copper and nickel/copper woven and nonwoven fabrics that provide outstanding shielding effectiveness and surface conductivity. Electron accommodates complex contours and shapes, making it ideal for diverse shielding applications.

Electron Metallized Materials Provide:

- EMI/RFI shielding of up to 100 dB
- Exceptional resilience and conformability to a variety of surfaces
- Superior leak prevention
- Availability in continuous rolls for cut-to-fit convenience
- Ease of installation

Nonwoven Design Provides Superior EMI/RFI Protection

Electron nonwoven fabrics are constructed of random formations of individual fibers with no specific mesh opening size, blended together in multiple layers. This design eliminates any open slots, preventing EMI/RFI leakage. It also ensures a tight EMI/RFI seal at seams, connections, and terminations.



Easy To Apply

Electron's conformability makes it easy to incorporate into many shielding product designs, or to mate with other shielding materials. In architectural applications, it may be mounted like wallpaper. This makes Electron easier, lighter, and faster to install than foil or sheet stock shielding systems, providing a more economical shielding system with equal protection. Electron also has been used in grounding straps, door jams and window sills, and in conjunction with conventional architectural shielding materials.

Product Specifications



Electron Metallized Materials may be designed into a wide variety of EMI/RFI shielding applications, including:

- Telecommunications electronics housings
- MRI rooms
- Industrial test/R & D labs
- Data processing centers
- Military test sites
- Secure conference rooms
- Broadcasting facilities
- Communications security

Attachment Systems

Electron attachment systems vary depending on the application. When used for component shielding, Electron is easily applied with pressure sensitive tape.

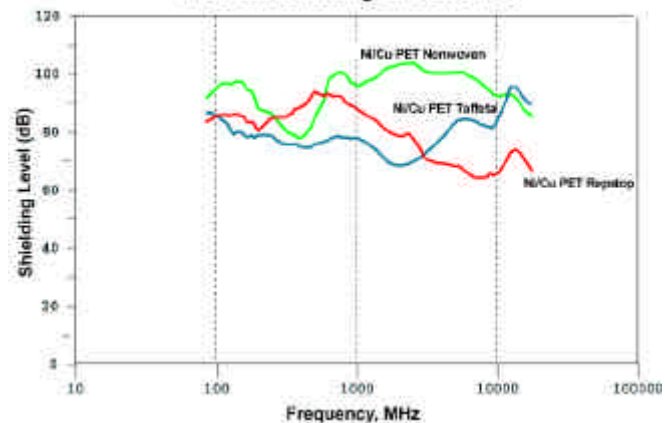
In architectural applications, Electron is applied to walls, ceilings, floors, and other surfaces with a high quality vinyl wall covering adhesive. The adhesive manufacturer's instructions for surface preparation should be followed.

These products, their use, and/or their manufacture, may be covered by one or more of the following U.S. patents and corresponding international patents worldwide: 4,898,760; 4,910,072; 4,900,072; 4,900,618; 5,075,037; 5,393,796; 5,393,928; 5,512,601; 5,607,629.

Notice: The data set forth in all text, tables, charts, graphs, and figures herein are based on samples tested and are not guaranteed for all samples or applications. Such data are intended as guides and do not reflect product specification for any specific part.

Electron is a registered trade mark.

Electron Shielding Effectiveness



Technical Data

Abrasion (ASTM D3886)	Up to 1,000,000 cycles
Conductivity	$\leq 0.070 \Omega/\square$

Available Formats

Electron Metallized Materials are packaged in continuous rolls that can be readily cut to fit with no special tooling.