

Shielding & Sealing Electronics



One Call for Electronics Sealing

*Superior Seals,
Exceptional Service*

 **Sealing Devices, Inc.**

716.684.7600 • www.sealingdevices.com



Parker Chomerics Materials for EMI Shielding Gaskets



We supply industry-leading Parker Chomerics materials in a range of gasket options, including bulk sheets, strips, die-cut shapes, simple and complex molded shapes, extruded profiles and custom fabricated parts.

Electrically Conductive Elastomers

For environmental and EMI shielding in demanding military and aerospace applications or

higher performance commercial electronics.

- Conductive particle-filled silicone and fluorosilicone binders, with EPDM or fluorocarbon-fluorosilicone versions for specialty applications. UL-V0 rated version available.

SOFT-SHIELD® Low-Closure Foam Core Materials

For applications with low closure force. Excellent EMI shielding properties, plus economical sealing against dust and dirt.

- Conductive fabric, fabric-reinforced foil, knitted wire and conductive yarn coverings.
- UL-V0, ultra-low compression force, Z-Axis conductive and high performance/low compression set versions available.

Metal Mesh, Screen & Oriented Wire

Monel, Ferrex or aluminum metals.

Lengths: Knitted wire mesh and mesh with elastomer or foam core

Sheets: Orientated wire in elastomer, elastomer filled screen and expanded foils

Formed-In-Place EMI Gasketing

Robotically dispensed compounds for precise application of highly conductive gasket beads. Ideal for plastic or metal housings, PC cards, compartmentalized enclosures or other tightly packaged devices.

EMI Shielding Laminates and Foil Tapes

- PVC laminated with aluminum or copper foil for economical EMI shields, ground straps, planes, or ESD shields.
- Metal foil or conductive fabric tapes with electrically conductive adhesive for economical low impedance traces, sealing seams in electronic enclosures and ground contact points.
- Conductive tapes with peel-off paint mask provide conductive, non-corroding surfaces for improved EMI gasket application.



One Call Opens A World of EMI Sealing Devices

All it takes is one call for the EMI sealing materials, design and fabricating services you need. We're ready with expert design assistance and a streamlined ordering process that gives you a single point of contact from initial quotation through delivery.

We have extensive experience working with OEMs for military, aerospace, telecommunications, medical and commercial electronics applications, with services including:

- Design assistance from in-house engineers and technical staff
- AutoCAD, PDF and ProE file handling
- Rapid prototyping of gaskets and EMIClare® shielded windows
- Form-in-place gasketed and spray-coated parts
- Contract mechanical sub-assembly jobs

Plus, we offer premier products from Parker Chomerics, Rogers Corporation, Gore®, Raychem and others to meet the demanding requirements of the electronics industry.

From design and prototyping through production of small, medium and large runs, Sealing Devices is your true one-call, single source supplier.



Electrically Conductive Adhesives and Coatings

One-part silicone or two-part epoxy adhesive compounds.

- Rigid epoxies bond shielded vents, windows, and mesh gaskets or seal seams.
- RTV silicones provide more flexible seals for cured-in-place gaskets, caulking open seams or adhering silicone-based EMI gaskets.

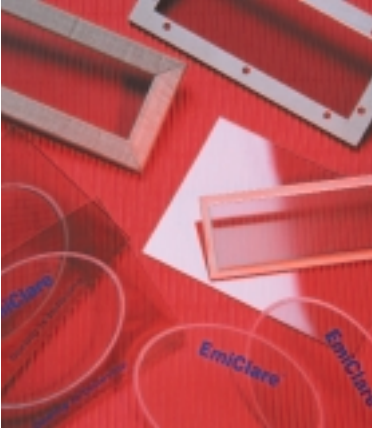
Conductive Coatings

For application to plastic packages for EMI shielding and surface grounding. Ecoplate® metallic conformal coating, an automated application process for metallizing plastic enclosures, offers a cost-effective alternative to electro-plating.

Parker Chomerics Thermal Management Materials

CHO-THERM® thermally conductive elastomer interface materials improve heat flow to heatsinks and heatspreaders for more efficient heat transfer and extended component life.

- Flexible, conformable Gap-Fillers for bridging larger voids between heat spreaders and hot components. Supplied in pads to cover single or multiple components.
- Phase-Change Interface Materials are elastomer pads with the low thermal impedance of thermal grease. Dry film softens and flows into air gaps and voids when components reach activating temperature.
- THERMATTACH® Tapes with thermally conductive adhesive for bonding heatsinks to components replacing clips or screws.
- Thermally conductive dispensable compounds in ready-mixed cartridges provide flexible, soft interface fillers for cooling multiple-height components on PCBs.
- Heatspreaders increase component surface area for efficient heat transfer in limited spaces.



EMI Specialty Products

- Custom EMIClare® shielded windows and screens.
- Honeycomb vents and air filters.
- Spring-finger gasket profiles in Be/Cu and stainless steel.
- Spring-Line series sheet metal card cage and D-sub connector gaskets.
- Suppressors & cable shielding EMI ferrites.

Electronics Specialty Products

Gore GPVs® (Gore Protective Vents)

GPVs allow pressure equalization in unvented electronic enclosures, preventing water and contaminant ingress during rapid pressure changes.

Rogers PORON® High Performance Cellular Urethane Foams and BISCO® Silicone Foams

Excellent compression set resistance, high energy absorption, low outgassing, good chemical and abrasion resistance for applications including:

- Enclosure and display gasketing.
- Pads for vibration damping.
- To secure components and maintain electrical contact.

Silicone Gel Materials

For sealing and corrosion prevention in indoor and outdoor enclosures. Highly conformable and re-enterable seals requiring little closure force.

Zippertubing®

Flexible, re-enterable jackets, for bundling, insulating and protecting wires and connectors from chemicals, weather, heat and abrasion.

Electrical Insulating Materials

Mylar®, Kapton®, and Nomex® and others with high dielectric constants and dielectric strengths exceeding 300V/mil.

Environmental Protection Gasket Materials

Homogeneous rubber (Nitrile, Silicone, EPDM, Fluorosilicone), molded o-rings, spliced solid and hollow elastomers, cellular foams and tapes.





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 THERMATTACH®;
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We Add Value To Every Order

Along with our extensive inventory of EMI materials and custom design and fabrication capabilities, we offer value-added services including inventory management, bar and color coding, special packaging, lot traceability and EDI capability.



Want Superior EMI Seals And Exceptional Service?

Call 716.684.7600
 today.

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Reach us on the internet at
www.sealingdevices.com or email
 us at seals@sealingdevices.com



Headquarters & Manufacturing

4400 Walden Avenue
 Lancaster NY 14086
 Phone 716.684.7600
 Fax 716.684.0760
 Fax 716.684.0644

Branch Offices & Warehouses

EBCO Park
 2003 Peninsula Drive
 Erie, PA 16506
 Phone 814.833.997
 Fax 814.833.4526

7150 Henry Clay Blvd.
 Liverpool, NY 13088
 Phone 315.457.0800
 Fax 315.457.2026

20 Bermar Park
 Rochester NY 14624
 Phone 716.426.4790
 Fax 716.426.4793