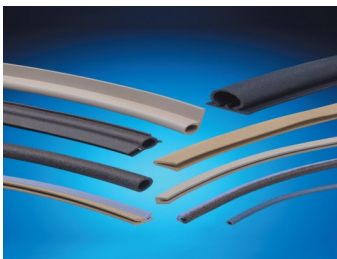




EMI/RFI PRODUCTS

Low Closure Force, Foam Core EMI Gaskets

These foam core gaskets are a user friendly and cost effective way to solve your EMI shielding problems. These gaskets are constructed by using a low-compression set foam core wrapped with a conductive jacket. The jacket is constructed from Ni/AG plated rip-stop nylon or fabric reinforced aluminum foil. These gaskets also have pressure sensitive adhesives for attachment. They are available in a wide variety of profiles including rectangles, C-fold, D-shape, L-shape and more.



Conductive Elastomer EMI Gaskets

Available in molded and extruded shapes these gaskets provide both an EMI shield and an environmental seal. Elastomer gaskets resist compression set, accommodate low closure force, and help control airflow. They're available in corrosion-resistant and flame resistant grades.

Sheet Stock & Die Cut Parts

Greene Rubber has a wide variety of conductive elastomers available for EMI gasket fabrication. Some examples of the materials available are: silver plated copper in silicone, nickel-coated graphite in silicone, silver plated aluminum in silicone, and silver plated nickel in EPDM. Contact Greene Rubber for assistance in selecting the appropriate material for your environmental and shielding effectiveness requirements.

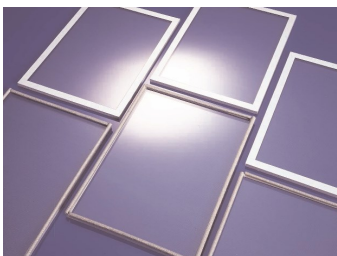


EMI Shielding Laminates

Laminates are available to be customized into EMI shields, ground planes, and ground straps. These laminates are made from a variety of raw materials including copper and aluminum foils, conductive and non-conductive pressure-sensitive adhesives, and films such as PVC, polyester, and polyimide.

EMI Shielding and Masking Tapes

EMI Shielding tapes are available as an economical EMI shielding solution for many commercial applications. These tapes are available in copper, aluminum, or tinned copper foil. Conductive foil tapes are also available for masking as a cost-effective alternative to chromate conversion coating, plating, and conductive paints.



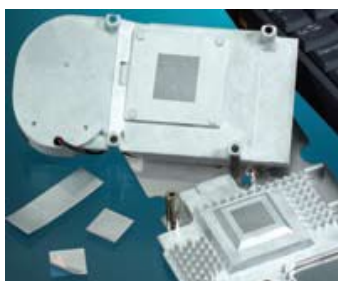
Shielded Windows

Display windows and filters are available in various plastic materials including polycarbonate, acrylic, and cast allycarbonate. Window products can be laminated together in multiple substrates allowing for the incorporation of specialty materials for EMI shielding, light control, and polarization.



THERMAL MANAGEMENT MATERIALS

Thermally Conductive Gap Fillers have excellent thermal properties and high conformability at low to moderate clamping forces. These gap fillers consist of a soft acrylic elastomer filled with ceramic particles or boron-nitride filled silicone. They are available with an aluminum foil or fiberglass carrier as well as versions with a high strength acrylic pressure sensitive adhesive. Thermal conductivity ranges from 1-6 W/m-K.



Phase Change Materials are formulated for use with high performance components requiring minimal thermal resistance for maximum heat transfer efficiency. This low thermal resistance path maximizes heat sink performance by combining the handling advantages of elastomeric pads with the low thermal impedance of thermal grease. These materials soften as it reaches component operating temperatures. With light clamping pressure it will readily conform to both mating surfaces similar to thermal grease.

Thermally Conductive Electrical Insulator Pads

These materials are designed for use where solid thermal and electrical properties are required and are available as dry pads or with an adhesive layer for attachment. Materials with adhesive can be die-cut on continuous rolls. Versions are available with either polyimide or fiberglass reinforcement to protect against tear, cut-through, and punctures.



Thermal Attachment Tapes are double-sided adhesive tapes which provide a thermal interface between electronic components and heat sinks. This eliminates the need for mechanical attachment such as screws, clips, and rivets. They can be die-cut in various forms and supplied on continuous rolls.

Heat Spreaders provide a low-cost way of cooling devices in restrictive spaces where conventional heat sinks are inappropriate. They are constructed of flexible copper foil between electrically insulating films. High strength silicone PSA provides a strong bond to the component. Component junction temperature reduction of 10-20° C is common.

