



RV Heat Shield Materials

Recreational vehicle manufacturers are always looking to improve vehicle performance and design to appeal to the rider. Heat shields play an important role in vehicle performance as well as rider protection. Typical mechanically attached heat barriers are prone to wear and corrosion. In addition to withstanding engine heat, these barriers must stand up under harsh environmental conditions, including temperature extremes, dirt, and water. From snowmobiles to ATVs, these recreational vehicles need to be visually appealing as well as built for rugged use.

Manufacturers looking to replace metal barriers now have an alternative – 3M™ aluminum foil tape.

3M Aluminum Foil Tape

3M Aluminum Foil Tape offers a strong, heat-resistant, light-weight option to protect parts, graphics, and riders from engine heat. The aluminum foil tape adheres securely to plastic parts and withstands vibration, moisture, and high temperatures up to 300°F for long periods of use.

These adhesives provide distinct advantages:

Easy application: using pressure-sensitive adhesive. Apply on any surface, such as plastic, and save assembly time by eliminating mechanical fasteners;

Adhesion: premium performance acrylic adhesive delivers durable, moisture- and temperature-resistant performance;

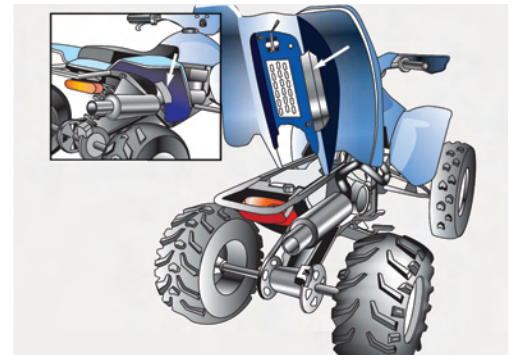
Conformation: aluminum foil backing conforms well to many irregular surfaces, has excellent thermal conductivity and reflects the heat from sensitive areas;

Liner version: product availability with liner for special die-cut shapes and sizes.

Die-cut aluminum foil tape can be applied by hand during the assembly process. The tape conforms easily to irregular shapes and sizes.



3M Aluminum Foil Tape protects parts and riders from high engine heat.



Aluminum Foil Tape has excellent adhesion capabilities for use with plastic parts typically found in recreational vehicles.



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Fabrico's Delta Rotary Press at the company's Kennesaw, GA facility, is used for die cutting, laminating, and single-color printing.

Fabrico Converting Capabilities

Fabrico's broad range of cutting capabilities includes the Delta Rotary Press, which provides die cutting and laminating for high volume production, while increasing materials economy with precise die cut part placement and nesting. Fabrico utilizes its experienced design engineering team and a broad range of in-house converting equipment to provide custom flexible material solutions for unique size and shape requirements.

Fabrico can meet custom size and shape requirements, cut intricate patterns to tight tolerances, and laminate the material with pressure-sensitive adhesives. Material thicknesses can range from 0.001" – 15", with widths up to 13". There is no limit on the length of the sheeted materials, and the maximum for individual die-cut part lengths is 22". Laser cutting capabilities can produce 0.040" slots and 0.010" diameters, significantly smaller than the features cut by other types of converting equipment. Fabrico's rotary press performs with high accuracy, at tolerances to +/-0.005".

About Fabrico

Fabrico is the market leader in design and manufacturing services for flexible materials. By focusing on its customers'

needs, Fabrico has developed a reputation for solving unique challenges and providing sound customer solutions.

The company offers a wide range of product design and engineering capabilities, plus custom die cutting, rotary die cutting, prototyping, manufacturing, and final assembly and kitting.

Fabrico provides design solutions for several applications, including bonding and sealing, electrical insulation, EMI/RFI shielding, vibration dampening, masking, and many others. This broad base of expertise allows for creative and integrated solutions with strict adherence to application requirements.

What is a 3M Preferred Converter?

As a 3M Preferred Converter, Fabrico receives the latest in material information and exclusive training from 3M, further enhancing their expertise in the design and custom fabrication of flexible materials.

This alliance blends 3M's high-value products with Fabrico's applications and manufacturing expertise to provide customers with the best solution for their application.



Headquarters

4175 Royal Drive, Suite 800 • Kennesaw, GA 30144
Phone: 678-202-2700 • Fax: 678-202-2702
Toll Free: 800-351-8273 • E-mail: info@fabrico.com



www.fabrico.com

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