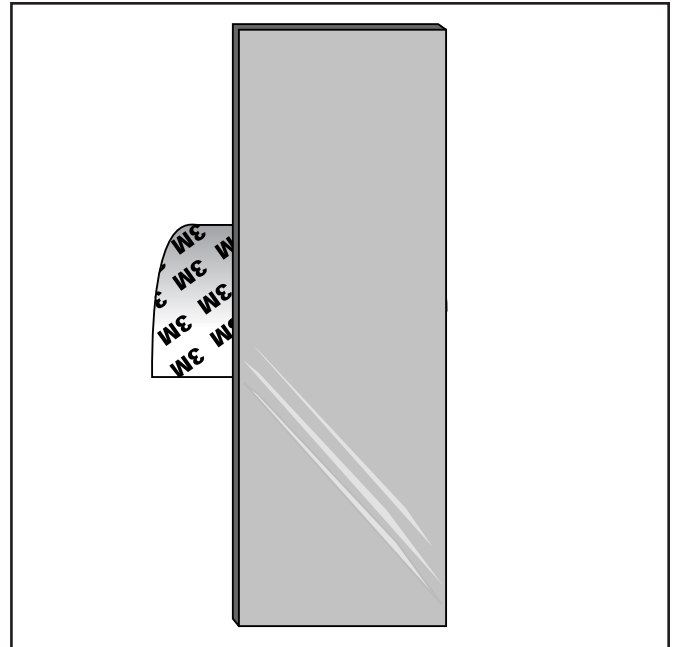
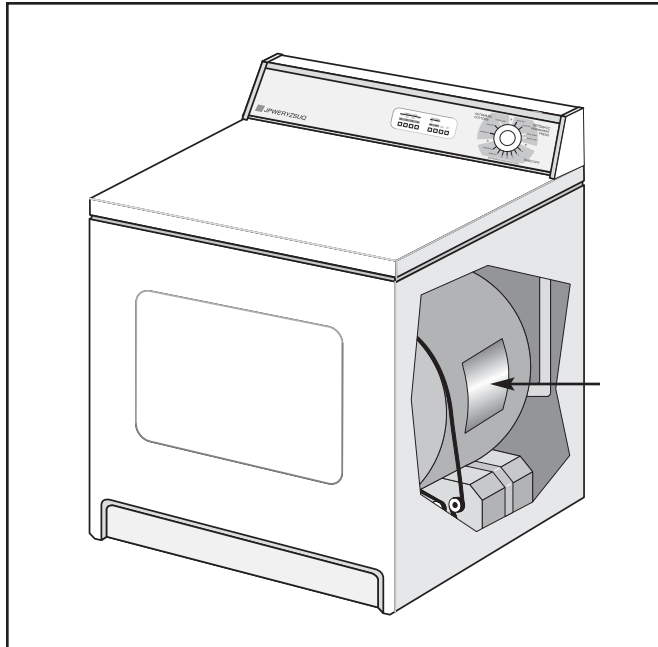


3M Application Profile

Market: Appliance

Application Description: Bonding damping foil to the dryer drum to reduce noise and vibration.



Application Method

Specific length parts are applied to the drum by hand during assembly.

Key Application Requirements

Noise and vibration must be absorbed by the damping polymer and converted to negligible heat.

Benefits/Advantages To Customer

Helps reduce vibration and noise: The unique thick 3M polymer used in 3M™ Damping Foil 2552 absorbs the vibration from the part and converts it to negligible heat. This conversion helps reduce the overall noise created by the vibration.

Helps decrease wear and tear on parts: The aluminum foil constraining layer dissipates the heat created by the noise conversion and provides a conformable layer for application to the drum. This helps decrease wear and tear on the drum.

Permanent bond: The damping polymer permanently bonds to the drum. It has good resistance to moisture and many solvents.

Easy to apply: Pressure-sensitive adhesive makes it easy to apply to the appliance on the assembly line.

Helps reduce assembly costs: Damping Foil 2552 may provide a cost-effective solution over other methods, such as stiffeners.

PRODUCT

3M™ Damping Foil 2552

Process

Parts vibrating at their natural frequency give off what is called resonant vibration. This resonant vibration can be damped by using 3M™ Damping Foil 2552. It is difficult to determine if a substrate is vibrating at its natural frequency. The product must be tested to determine whether or not it will provide damping properties. Damping Foil 2552 can be provided in a variety of lengths and widths. It may also be easily cut into specific shapes for unique applications. A custom dispenser designed for manual or automatic operation is available.

Related Application Ideas

Damping Foil 2552 may also be considered for applications on refrigerators, freezers, washing machines, air conditioners, vending machines, exercise equipment and a variety of small appliances.

SIC Code

3633 – Household Laundry Equipment

Key Decision Makers

Design Engineers
Quality Control Managers
Production Supervisors/Managers

For Additional Information

To request additional product information or to arrange for sales assistance, call 1-800-362-3550. Address correspondence to: 3M Industrial Business Customer Response Center, Building 21-1W-10, 900 Bush Avenue, St. Paul, MN 55106. Our fax number is 651-733-9175. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.

Product Use

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Industrial Business

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