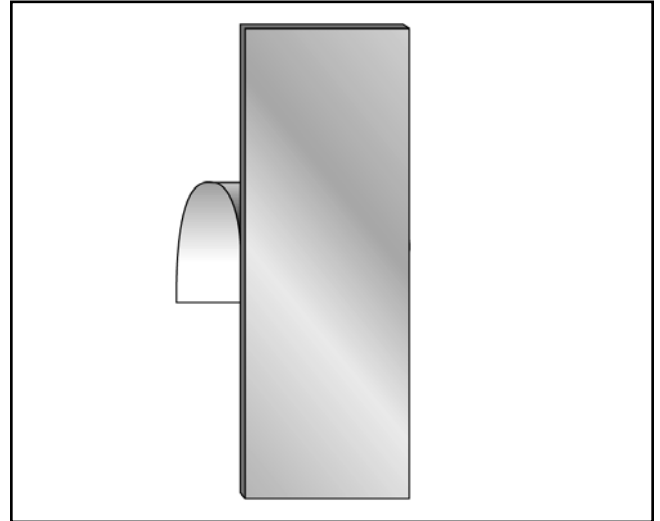
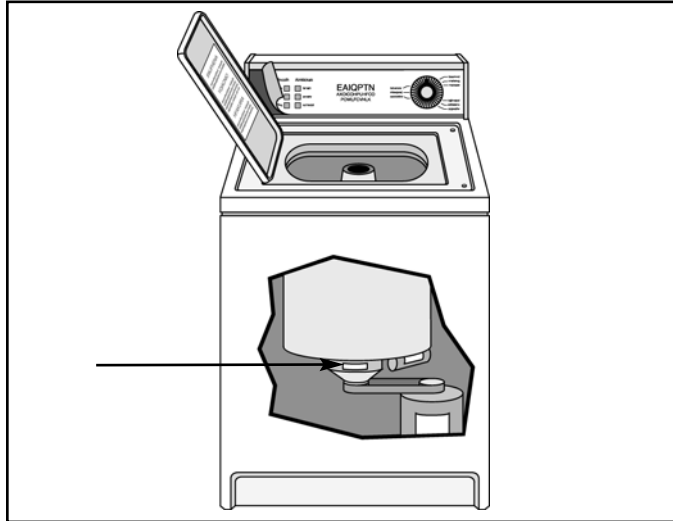


3M Application Profile

Market: Appliance

Application Description: Reducing vibration on the pump bracket of a washing machine.



Key Application Requirements

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

Application Method

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

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 bracket. This helps decrease wear and tear on the bracket and pump.

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

Easy to apply: Pressure-sensitive adhesive makes it easy to apply to the appliance component 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, dryers, 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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Printed in the USA
Awbd2552.pdf

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