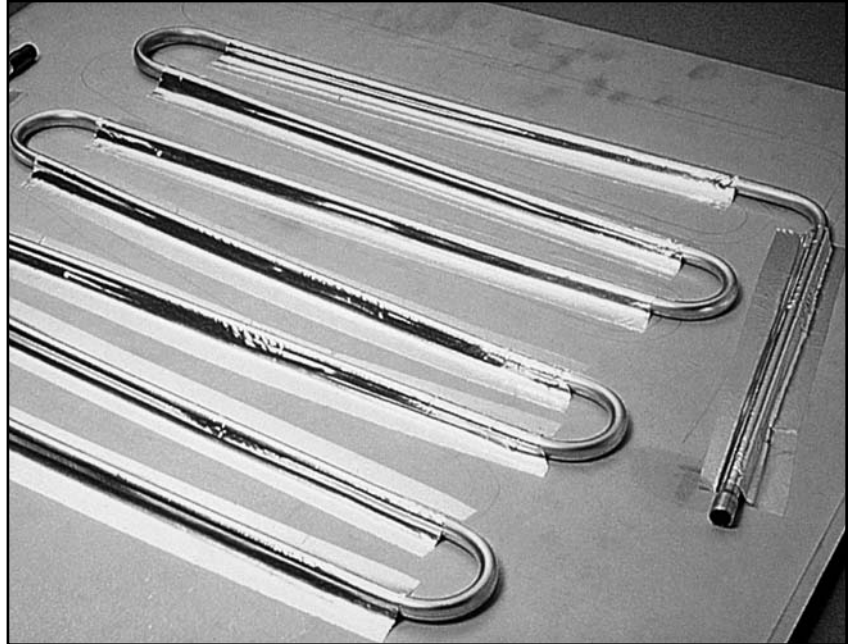
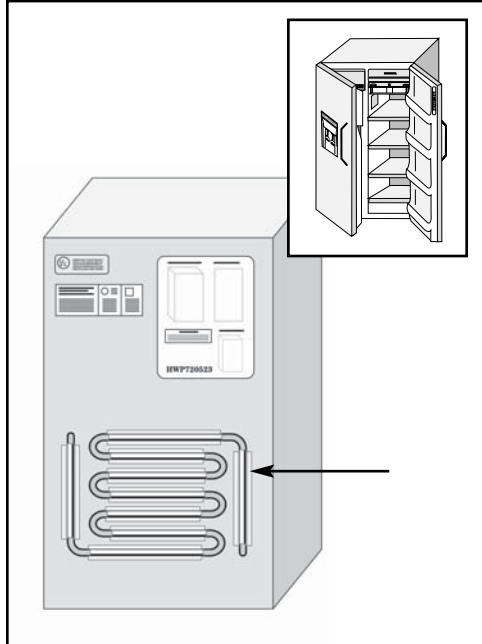


3M Application Profile

Market: Appliance

Application Description: Thermal conductivity — holding copper cooling tubes to refrigerator panels to help maximize cooling efficiency.



Key Application Requirements

Tape must be conformable and thermally conductive to efficiently dissipate heat from the refrigerator.

Benefits/Advantages To Customer

Helps hold copper tubing: 3M™ Aluminum Foil Tapes functionally hold the copper cooling tubing tight to the inner shell of the refrigerator or freezer until the unit is foamed.

Flexible material: The dead soft 3M™ Aluminum Foil Tapes conform to the coil.

Easy to apply: Pressure-sensitive adhesive is simple and easy to apply manually or automatically on the assembly line.

Thermally conductive: The dead soft aluminum foil tape has excellent thermal conductivity, maximizing the efficiency of cooling by extending the surface area where heat transfer may occur so the compressor doesn't have to work as hard.

Moisture barrier: Helps seal and protect sensitive assemblies and surfaces from moisture.

Long-term aging: The aging characteristic of the acrylic adhesives allow these products to work well for many long term holding applications.

PRODUCT

3M™ Aluminum Foil Tape 425
3M™ Aluminum Foil Tape 1449
3M™ Aluminum Foil Tape 1450
3M™ Aluminum Foil Tape 431

Process

3M™ Aluminum Foil Tapes are applied to lengths of the copper tubing, holding evaporator coils tightly to the inner shell or condenser coils to the outer shell of a refrigerator or freezer. The cavity is then foamed.

Related Products

3M™ Aluminum Foil Tape 427 with liner

SIC Code

3632 – Household Refrigerators and Freezers

Key Decision Makers

Quality Control Managers, Production Supervisors and 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.

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