



Bumpon™ Protective Products

Molded Shapes

SJ-5201 • SJ-5202

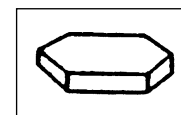
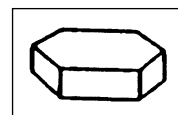
Technical Data

January, 2003

Product Description

3M™ Bumpon™ Protective Products SJ-5201 and SJ-5202 are pressure sensitive adhesive backed polyurethane foam products. These products have a very high tack adhesive system (synthetic rubber, R-25) which has the capability of providing excellent adhesion to a wide variety of substrates including many low surface energy substrates such as polypropylene, polyethylene, and powder coated paints.

Construction



Product Number	Bumpon SJ-5201	Bumpon SJ-5202
Width, inches (mm)	0.433 (11.0)	0.433 (11.0)
Height, inches (mm)	0.125 (3.2)	0.063 (1.6)
Form	11x12 matrix	11x12 matrix
Color	Light brown and black	Light brown and black
Bumper Material	polyurethane foam	
Adhesive	synthetic rubber (R-25)	
Release Liner	White 6.0 lb./ream, silicone coated paper, printed 3M logo.	

All dimensions are ± 0.020 inches or ± 0.5 mm measured without the adhesive liner.

Typical Physical Properties

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Property	Test Method	Bumpon SJ-5201 • SJ-5202
Hardness, Shore A	ASTM D-2240	25
Approximate Density, lb./ft. ³ (gm/cm ³)		40 (0.64)
Compression Set, %	ASTM D-1056 22 hrs. @ 158°F (62°C) (50% deflection)	< 10%
Stain Resistance	3M - 24 hrs. @ 158°F (62°C) against white paint, 7 days exposed to UV.	no staining observed
Service Temperature		-30°F (-34°C) to 150°F (66°C); 225°F (107°C) intermittent exposure.
Application Temperature		40°F (5°C) to 125°F (52°C)

Environmental Performance

3M™ Bumpon™ Products are intended for interior applications where resilience and other physical properties will remain unchanged. Exposure to UV light for extended periods may cause slight discoloration or yellowing. Bumpon products may be used outdoors in a protected area with possible discoloration and chalking. Simultaneous exposure to high humidity and temperature may degrade (soften) the product composition.

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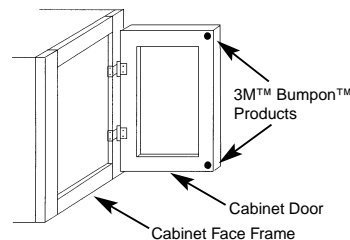
Features

- Soft, low compression set polyurethane foam.
- Excellent sound dampening.
- Vibration and shock dampening.
- Long aging resiliency – will not crack or harden.
- Easy to apply – just peel the bumpers from the easy release liner, position, and apply pressure. No tools required; no holes required.

Application Ideas

- Bumper on cabinet doors.
- Bumper on drawers and lids.
- Cushions or spacers on electronic equipment.
- Skid-resistant feet on desk-top equipment.

Cabinet Door Application Idea



Application Techniques

To obtain maximum adhesion, surfaces must be unified, dry, and free of contaminants. Clean surfaces with low strength solvents such as isopropyl alcohol (rubbing alcohol) or heptane.* Apply firm pressure to increase the contact of the adhesive with the substrate. Allow time (dwell) to increase adhesion.

***Note:** Be sure to follow the manufacturer's precautions and directions for use when using solvents.

Shelf Life

Shelf life is 18 months from date of manufacture when stored in original cartons at 60-80°F (15-27°C) and 40-50% relative humidity.

Precautionary Information

Refer to Product Label and Material Safety Data Sheet for health and safety information before using this product. For additional health and safety information, call 1-800-364-3577 or (651) 737-6501.

For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550 or visit www.3M.com/industrialtape. Address correspondence to: 3M Industrial Adhesives and Tapes Division, 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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If the 3M product is proved to be defective, THE EXCLUSIVE REMEDY, AT 3M'S OPTION, SHALL BE TO REFUND THE PURCHASE PRICE OF OR TO REPAIR OR REPLACE THE DEFECTIVE 3M PRODUCT. 3M shall not otherwise be liable for loss or damages, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including, but not limited to, contract, negligence, warranty, or strict liability.

ISO 9002

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9002 standards.

3M

Industrial Business
Industrial Adhesives and Tapes Division
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Recycled Paper
40% pre-consumer
10% post-consumer

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Printed in U.S.A.

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