



Bumpon Protective Products

SJ-5201 • SJ-5202

FOD #1732

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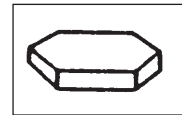
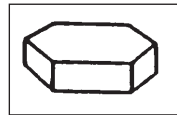
Technical Data

July 1, 1999

Product Description

SJ-5200 series Bumpon Products are pressure sensitive adhesive backed polyurethane foam products. The aggressive, very high tack pressure sensitive adhesive, and easy release liner make application fast and easy.

SJ-5200 Series – Die Cut Shapes



Product Number	SJ-5201	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

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

Features

- Soft, low compression set polyurethane foam.
- Excellent sound dampening.
- Vibration and shock dampening.
- Long aging resiliency – will not crack or harden.
- High Performance R-25 pressure sensitive adhesive.

Key Benefits

- Easy to Apply – just peel the bumpers from the easy release liner, position, and apply pressure. No tools required; no holes required.
- Excellent Adhesion – R-25 Adhesive System provides excellent initial adhesion and 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.

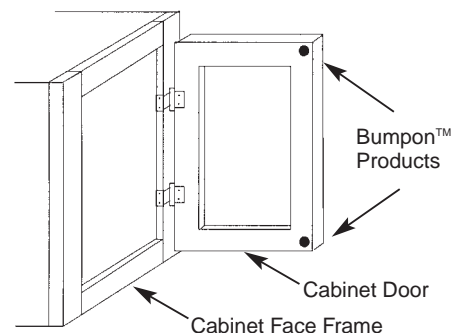
Application Ideas

- Bumpers on cabinet doors
- Bumpers on drawers and lids

Other Application Ideas

- Cushions or spacers on electronic equipment.
- Skid-resistant feet on desk-top equipment.

Cabinet Door Application Idea



Product Construction

SJ-5200 Series

Bumper Material	polyurethane foam
Adhesive*	synthetic rubber (R-25)
Release Liner	white 60 lb./ream, silicone coated paper, printed 3M logo

*Synthetic Rubber (R-25) – This very high tack adhesive system provides excellent initial adhesion and has the capability of providing excellent adhesion to a wide variety of surfaces including many low surface energy surfaces such as polypropylene, polyethylene, and powder coated paints.

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	SJ-5200 Series
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

Application

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. **Note:** Be sure to follow the manufacturer's precautions and directions for use when using solvents. Apply firm pressure to increase the contact of the adhesive with the substrate. Allow time (dwell) to increase adhesion. Application Temperature: +40°F (5°C) to 125°F (52°C).

Service Temperature

-30°F (-34°C) to 150°F (66°C); 225°F (107°C) intermittent exposure.

Environmental Performance

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.

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.

Technical Information and Data

The technical information and data, recommendations, and other statements provided are based on tests or experience which 3M believes to be reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use

Please remember that many factors can affect the use and performance of a 3M product in a particular application. The materials to be bonded with the product, the surface preparation of those materials, the product selected for use, the conditions in which the product is used, and the time and environmental conditions in which the product is expected to perform are among the many factors that can affect the use and performance of a 3M product. Given the variety of factors that can affect the use and performance of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

Warranty and Limited Remedy

The 3M product will be free from defects in material and manufacture for a period of one (1) year from the date of manufacture. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of application. If the 3M product is defective within the warranty period stated above, your exclusive remedy and 3M's sole obligation shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product.

Limitation of Remedies and Liability

Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including contract, warranty, negligence, or strict liability.



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Industrial Tape and Specialties Division

3M Center, Building 220-7W-03
St. Paul, MN 55144-1000
USA
1 800 362 3550
1 800 223 7427 Fax On Demand
www.3M.com