

3M™ Bumpon™ Protective Products

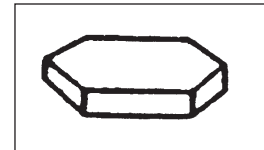
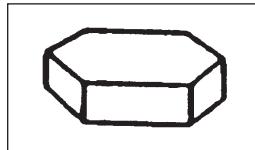
Die Cut Shapes - SJ5200 Series

SJ5201 • SJ5202

Product Description

3M™ Bumpon™ Protective Products SJ5201 and SJ5202 are pressure-sensitive, adhesive backed polyurethane products made from SJ5200 Series soft foam rollstock. A hexagon shape is often preferred for various cushioning stop and non-skid foot applications. 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. This includes many low surface energy substrates such as polypropylene, polyethylene, and powder coated paints.

Product Construction



Product Number	3M™ Bumpon™ Protective Products SJ5201	3M™ Bumpon™ Protective Products SJ5202
Width, inches (mm):	0.433 (11.0)	0.433 (11.0)
Height, inches (mm):	0.125 (3.2)	0.063 (1.6)
Form:	11 x 12 matrix	11 x 12 matrix
Color:	Light brown	Light brown
Bumper Material:	Polyurethane foam	
Adhesive:	Synthetic rubber (R-25)	
Release Liner:	4 mil, silicone coated, translucent polyester (PET), with printed 3M logo	

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



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Typical Physical Properties and Performance Characteristics

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	3M™ Bumpon™ Protective Products	
		SJ5201	SJ5202
Hardness, Shore M:	ASTM D-2240	29	36
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	
Flammability Listing:	UL Certification	SJ5200 Series are not rated	
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)		

**Reference test for 24 hours. Results may vary for different time periods and conditions.

Adhesive Performance

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

The following table on peel adhesion provide representative performance characteristics of the adhesive system used in the construction of 3M™ Bumpon™ Protective Products Die Cut Shapes SJ5200 Series

90° Peel Adhesion*

Peel Force, oz. Per 1/2 inch

3M™ Bumpon™ Protective Products SJ5200 Series	
Substrate:	Synthetic Rubber R-25
Polypropylene	52
Polystyrene	55
ABS	55
Stainless Steel	55
Aluminum	55

*3M Test Method TM-2011; 72 hour dwell, 1/2 inch wide samples pulled at 12 inches per minute. Testing completed using solid resilient rollstock (SJ6216) with same R-25 adhesive system.

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Environmental Performance

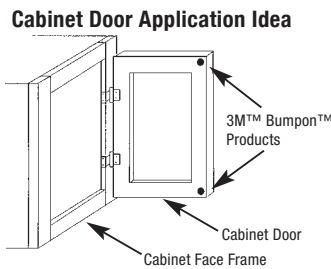
3M™ Bumpon™ Protective Products are intended for interior applications where resilience and other physical properties will remain unchanged. Exposure to UV light for extended periods may cause slight discoloration or yellowing. Bumpon products may be used outdoors in a protected area with possible discoloration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

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.



Application Techniques

To obtain maximum adhesion, surfaces should be flat, 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.

Storage

Store in original cartons at 60-80°F (16-27°C) and 40-50% relative humidity.

Shelf Life

To obtain best performance, use this product within 18 months from date of manufacture.

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Certification/Recognition

MSDS: Refer to Product Label and Material Safety Data Sheet for Health and Safety Information before using this product.

TSCA: This product is defined as an article under the Toxic Substances Control Act and therefore, it is exempt from inventory listing requirements.

RoHS: This product complies with the requirements of EU Directive 2002/95/EC and 2005/618/EC.

For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-251-8634. Address correspondence to: 3M, Electronics Markets Materials Division, 3M Center, Building 225-3S-06, St. Paul, MN 55144-1000. Our fax number is 651-778-4244 or 1-877-369-2923. 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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