

3M™ Bumpon™ Protective Products

Molded Shapes - Quiet Clear

SJ6500 Series





Product Description

3M™ Bumpon™ Protective Product Quiet Clear SJ6500 Series are molded cushioning products that utilize a special, soft polyurethane formulation and synthetic rubber adhesive system. This unique construction provides an excellent cushioning stop, spacer or non-skid foot solution, with enhanced sound damping characteristics. The 3M high tack, pressure-sensitive adhesive system is protected with a polyester release liner, making individual Bumpon removal and application quick and easy.

Product Construction

Backing	Adhesive	Color
Polyurethane	R-25 Synthetic Rubber	Transparent

Specifications

Shape	Dimensions	Pad Format
 <p>3M™ Bumpon™ Protective Product Quiet Clear SJ6553* Hexagonal Cone</p>	<p>Height: 0.120 in. (3.05 mm) Length: 0.433 in. (11.0 mm)</p>	<p>11 x 12 matrix 132 per pad</p>
 <p>3M™ Bumpon™ Protective Product Quiet Clear SJ6506 Hemispherical</p>	<p>Height: 0.150 in. (3.8 mm) Diameter: 0.375 in. (9.5 mm)</p>	<p>12 x 8 matrix 96 per pad</p>
 <p>3M™ Bumpon™ Protective Product Quiet Clear SJ6512 Cylindrical</p>	<p>Height: 0.140 in. (3.5 mm) Diameter: 0.500 in. (12.7 mm)</p>	<p>8 x 7 matrix 56 per pad</p>
 <p>3M™ Bumpon™ Protective Product Quiet Clear SJ6561* Hexagonal Hemisphere</p>	<p>Height: 0.150 in. (3.8 mm) Length: 0.433 in. (11.0 mm)</p>	<p>11 x 12 matrix 132 per pad</p>

*These unique molded shapes were specifically created to incorporate optimized top shapes for sound damping, combined with a base design (hexagon) popular in the cabinet industry.

Note: All dimensions ± 0.02 inches or ± 0.05 mm measured without the adhesive liner.



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Features and Applications

All 3M™ Bumpon™ Protective Products feature a plasticizer-free, urethane composition which exhibits:

- Excellent skid resistance
- Long aging resiliency – will not crack or harden
- Abrasion resistance
- Resistance to marring and staining

3M™ Bumpon™ Protective Products Quiet Clear utilize a special, softer polyurethane formulation than standard series

3M Bumpons:

- Provides excellent sound damping and noise reduction characteristics
- The transparent polyurethane allows the customer to match a variety of surface colors and finishes
- Optimal shapes to reduce slamming noise on custom wood and other cabinetry applications
- Use as cushioning stops on cabinet doors, lids and drawers
- Work well as spacers to provide alignment, or as an aid in assembly
- Used as non-skid feet, applied to bottom of small, desktop or hand-held electronics, computers, office accessories
- Act as protectors to prevent surfaces from touching in shipping, or other applications where adjacent surfaces need protection

3M™ Bumpon™ Protective Products Quiet Clear utilize 3M R-25 Synthetic Rubber Adhesive System

- Provides quick bond to variety of surfaces, including low surface energy materials like polypropylene, powdercoats and wood stains/finishes
- Fast initial adhesion for parts going through assembly lines to reduce dislodged parts

Solvent and Fuel Resistance

(3M 24 Hour Immersion Test)

Solvent/Fuel	Result	Solvent/Fuel	Result
5% Detergent in Water:	No apparent effect	Auto Oil:	No apparent effect
25% Ammonia in Water:	No apparent effect	Mineral Spirits:	No apparent effect
Bleach:	No apparent effect	Heptane:	No apparent effect
1N Hydrochloric Acid:	No apparent effect	Isopropyl Alcohol:	Slight to moderate swelling
Kerosene:	No apparent effect	Toluene:	Considerable swelling

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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 Results	ASTM Test Method
Hardness, Shore M:	56	D-2240
Resilience, %:	55	D-2632 (0.125 in. sample)
Kinetic Coefficient of Friction:		D-1894
Stainless Steel	2.8	
Glass	2.8	
Formica® laminate	1.8	
Wood	2.3	
Abrasion Resistance: G/1000 cycles Tabor H18, 1 kg	0.03	C-501
Tensile Strength, lbs./in. ² :	270	D-412
Elongation, %:	170	D-412
Stain Resistance:	None Observed	3M Test (24 hrs. @ 158°F against white paint, 7 days exposed to UV)

General Technical Information

Application Temperature: 40°F (5°C) to 125°F (52°C)

UL Flammability: Not rated

Service Temperature: -30°F (-34°C) to 150°F (66°C)

Suggested for indoor applications only. Not intended for outdoor use. When exposed to UV light and humidity for extended periods, some discoloration or softening of the 3M™ Bumpon™ Protective Product construction may occur.

Storage

Store in original cartons at 60° to 80°F (16° to 27°C) and 40 to 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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