

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

*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.

3M™ Bumpon™ Protective Products

Molded Shapes - Quiet Clear

SJ6500 Series

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

3M™ Bumpon™ Protective Products

Molded Shapes - Quiet Clear

SJ6500 Series

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.

3M™ Bumpon™ Protective Products

Molded Shapes - Quiet Clear

SJ6500 Series

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.

Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture at the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**



Electronics Markets Materials Division

3M Center, Building 225-3S-06
St. Paul, MN 55144-1000
1-800-251-8634 phone
651-778-4244 fax
www.3M.com/electronics

3M and Bumpon are trademarks of
3M Company.
Formica is a registered trademark of
the Formica Corporation.
Please recycle. Printed in U.S.A.
© 3M 2012. All rights reserved.
60-5002-0553-3

