3M™ Bumpon™ Protective Products
Molded Shapes - Quiet Clear
SJ6500 Series

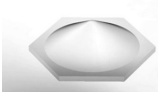
Product Description

3M™ Bumpon™ Protective Product Quiet Clear SJ6500 Series are molded cushioning products that utilize a special, soft polyurethane formulation and synthetic rubber adhesive. 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 is protected with a polyester release liner, making individual Bumpon removal and application quick and easy.

Product Construction

Backing	Adhesive	Color
Polyurethane	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
	3M™ Bumpon™ Protective Product Quiet Clear SJ6503 Hemispherical	Height: 0.20 in. (5.0 mm) Diameter: 0.44 in. (11.1 mm)	8 x 7 matrix 56 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.

Features and Applications

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

- Excellent skid resistance
- Long aging resiliency – resistant to cracking and hardening
- 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 help 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 help prevent surfaces from touching in shipping, or other applications where adjacent surfaces need protection

3M™ Bumpon™ Protective Products Quiet Clear utilize 3M synthetic rubber adhesive

- 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 help 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

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: **Stainless Steel** **Glass** **Formica® laminate** **Wood**	 2.8 2.8 1.8 2.3	D-1894
Abrasion Resistance: **G/1000 cycles** **Tabor H18, 1 kg**	0.03	C-501
Tensile Strength, lbs/in²:	270	D-412
Elongation, %:	170	D-412
Stain Resistance:	None Observed	3M Test (24 hrs. @ 70°C (158°F) against white white paint, 7 days exposed to UV)

General Technical Information

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

UL Flammability: Not rated

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

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 16° to 27°C (60° to 80°F) and 40 to 50% relative humidity.

Shelf Life

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

Regulatory

For regulatory information about this product, contact your 3M representative.

Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

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