

# 3M™ Bumpon™ Protective Products

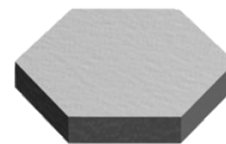
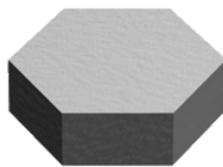
## Die Cut Shapes - SJ5200 Series

### 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), and is designed for 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       | SJ5201                                                                    | 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 × 12 matrix                                                            | 11 × 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                                                                              | SJ5201                      | SJ5202 |
|------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------|--------|
| Hardness, Shore M:                                               | Tested in accordance with ASTM D-2240 test method                                        | 29                          | 36     |
| Approximate Density: lb/ft <sup>3</sup><br>(gm/cm <sup>3</sup> ) |                                                                                          | 40<br>(0.64)                |        |
| Compression Set,%:                                               | Tested in accordance with ASTM D-1056 test method 22 hrs. @ 62°C (158°F) (50% defection) | < 10%                       |        |
| Stain Resistance:**                                              | 3M - 24 hrs. @ 62°C (158°F) against white paint, 7 days exposed to UV.                   | no staining observed        |        |
| Flammability Listing:                                            | UL Certification                                                                         | SJ5200 Series are not rated |        |
| Service Temperature:                                             | -34°C (-30°F) to 66°C (150°F);<br>107°C (225°F) intermittent exposure.                   |                             |        |
| Application Temperature:                                         | 5°C (40°F) to 52°C (125°F)                                                               |                             |        |

\*\*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.

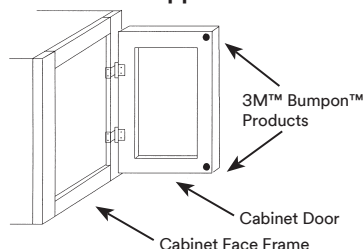
### Features

- 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

Cabinet Door Application Idea



### 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 and Shelf Life

The shelf life of 3M™ Bumpon™ Protective Products SJ5200 Series is 18 months from the date of manufacture when stored in the original packaging materials and stored at 16-27°C (60-80°F) and 50% relative humidity.

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