



Bumpon™ Protective Products

Roll Material

SJ-5216 • SJ-5208

Technical Data

January, 2003

Product Description

3M™ Bumpon™ Protective Products SJ-5216 and SJ-5208 are pressure sensitive adhesive backed polyurethane foam roll materials. 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 surfaces including many low surface energy surfaces such as polypropylene, polyethylene, and powder coated paints.

Construction

Products	Bumpon SJ-5216	Bumpon SJ-5208
Material	polyurethane foam	
Release Liner	White 6.0 lb./ream silicone coated paper, printed 3M logo.	
Adhesive	R-25 (synthetic rubber)	
Color	Light Brown	
Thickness*, inches (mm)	0.062 (1.6)	0.125 (3.2)
Thickness Tolerance, inches (mm)	0.010 (0.25)	0.015 (0.38)
Roll Length, lineal yards	36	36
Roll Width		
Standard inches (mm)	4.5 (114.3)	
Minimum inches (mm)	4.5 (114.3)	
Maximum inches (mm)	9 (228.6)	
Slitting Tolerance, inches (mm)	0.031 (0.8)	

*ASTM D-3767 procedure A (3.2 psi) measured without liner.

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 Method	Bumpon SJ-5216 • SJ-5208
Hardness, Shore A	ASTM D-2240	25
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
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)

Environmental Performance

3M™ Bumpon™ 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.

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Features	<ul style="list-style-type: none">• Low compression set “soft” polyurethane foam.• Excellent sound dampening.• Vibration and shock dampening.• Long aging resiliency – will not crack or harden.• Easy application – pressure sensitive adhesive (PSA) backing.
Application Ideas	<ul style="list-style-type: none">• Die cut shapes for use as stops on cabinet doors and drawers.• Cushions or spacers on electronic equipment.• Die cut parts for gasket applications.
Application Techniques	<p>To obtain maximum adhesion, surfaces must be unified, 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.</p> <p>*Note: Be sure to follow the manufacturer’s precautions and directions for use when using solvents.</p>
Shelf Life	<p>Shelf life is 18 months from date of manufacture when stored in original cartons at 60-80°F (15-27°C) and 40-50% relative humidity.</p>
Precautionary Information	<p>Refer to Product Label and Material Safety Data Sheet for health and safety information before using this product. For additional health and safety information, call 1-800-364-3577 or (651) 737-6501.</p>
For Additional Information	<p>To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550 or visit www.3M.com/industrialtape. Address correspondence to: 3M Industrial Adhesives and Tapes Division, Building 21-1W-10, 900 Bush Avenue, St. Paul, MN 55106. Our fax number is 651-733-9175. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.</p>
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This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9002 standards.



Industrial Business
Industrial Adhesives and Tapes Division
3M Center, Building 21-1W-10, 900 Bush Avenue
St. Paul, MN 55106



Recycled Paper
40% pre-consumer
10% post-consumer

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Printed in U.S.A.
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