



Bumpon™ Protective Products

SJ-5200 Series Rollstock

FOD #1544
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Technical Data

July 1, 1999

Supersedes October 1, 1998

Product Description Pressure sensitive adhesive backed polyurethane foam roll materials.

Products

SJ-5216	1/16 in. (1.6 mm)
SJ-5208	1/8 in. (3.2 mm)

- Features**
- 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.
 - High performance R-25 pressure sensitive adhesive.

- Application Ideas**
- Die cut shapes for use as stops on cabinet doors and drawers.
 - Cushions or spacers on electronic equipment.
 - Die cut parts for gasket applications.

Product Construction	Products	SJ-5216	SJ-5208
Material		polyurethane foam	
Release Liner		White 60 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.

Adhesive Description Synthetic Rubber (R-25) – This very high tack adhesive system provides excellent initial adhesion and 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.

Adhesive Performance Refer to Bumpon™ Protective Products Resilient Rollstock SJ-5800, SJ-6000, SJ-6200 Series Technical Data Page. (FOD# 1511)

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	SJ-5200 Series
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

Application 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. **Note:** Be sure to follow the manufacturer's precautions and directions for use when using solvents. Apply firm pressure to increase the contact of the adhesive with the substrate. Allow time (dwell) to increase adhesion. Application Temperature: +40°F (5°C) to 125°F (52°C).

Service Temperature -30°F (-34°C) to 150°F (66°C); 225°F (107°C) intermittent exposure.

Environmental Performance 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.

Technical Information and Data The technical information and data, recommendations, and other statements provided are based on tests or experience which 3M believes to be reliable, but the accuracy or completeness of such information is not guaranteed.

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