



Conformable Sound Management Film 9343

Technical Data

Product Description 3M™ Conformable Sound Management Film 9343 is designed for the reduction of noise, vibration, squeaks, and rattles in automotive interior applications. The currently available materials for these applications such as flocked cloths and felts are not as elastic, thereby limiting their use to flat surfaces only.

Product Construction	Backing	Adhesive	Liner	Color	Standard Roll Length
	Non-woven	Acrylic	Paper	Black	36 yds. (33 m)

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.			ASTM Test Method
Adhesion to Steel:	27 oz./in. width (30 N/100 mm)			D-3330
Tensile Strength:	5 lbs./in. width (88 N/100 mm)			D-3759
Elongation at Break:	400%			D-3759
Liner Thickness:	6 mils (0.15 mm)			D-3652
Tape Thickness:	17 mils (0.43 mm)			D-3652
Temperature Use Range:	-30° to 250°F (-34° to 121°C)			
	• Passes flammability, FMVSS 302			
	• Fog Test, @ 90°C = 91%			
	• Tabor Abrasion, Dry (2000 cycles) - No wear through Wet (1000 cycles) - No wear through Heat Aged (14 days @ 82°C [180°F] for 2000 cycles) - No wear through			
	• Adhesive Performance - 90° Peel @ 300 mm/minute (12 inch/minute) aluminum backing applied.			
	Substrates:	ABS	PP	Paint
	Room Temp: 22°C (72°F), N/m (lb./in.)			
	20 minutes dwell	919 (5.2)	612 (3.5)	616 (3.5)
	72 hour dwell	1197 (6.8)	767 (4.4)	957 (5.4)

- Features**
- Bonded to an automotive interior component prevents noise and wear by isolating adjacent parts.
 - Easily conforms to irregular and curved surfaces meeting a need for sound management that current materials cannot offer.
 - Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure develops better adhesive contact and thus improves bond strength.

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Features (continued)

- To obtain optimum adhesion, the bonding surfaces must be clean, dry and free of oil and dust. Typical cleaning solvents are isopropyl alcohol and water (rubbing alcohol) or heptane.*
 - Initial tape application to surfaces at temperatures below 50°F (10°C) is not recommended because the adhesive becomes too firm to adhere readily. However, once properly applied, low temperature holding is generally satisfactory.
- *Note:** Carefully read and follow the manufacturer's precautions and directions for use when working with solvents.

Storage

Store under normal conditions of 72°F (22°C) and 50% R.H. in the original carton.

Shelf Life

To obtain best performance, use this product within 12 months from date of manufacture.

Product Use

All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

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ISO 9001:2000

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.

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Industrial Business Industrial Adhesives and Tapes Division

3M Center, Building 21-1W-10, 900 Bush Avenue
St. Paul, MN 55144-1000
800-362-3550 • 877-369-2923 (fax)
www.3M.com/industrial



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