



Technical Data Sheet

3M™ Conformable Sound Management Film
9343



[Product Details](#)



[Regulatory Info/SDS](#)

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 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.
 - 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.

Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Typical Physical Properties

Attribute Name	Test Method	Value
Color		Black
Adhesive Type		Acrylic
Backing		Non-woven
Liner Thickness		0.05 mm (2 mil)
Total Tape Thickness	ASTM D3652	0.43 mm (17 mil)

Attribute Name	Test Method	Temperature	Value
Fog Test		90 °C (194 °F)	91 %
Flammability Test	FMVSS 302		Pass
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

Typical Performance Characteristics

90° Peel Adhesion

Temperature: 22 °C (72 °F)

Backing: 2 mil Aluminum Foil

Test Method	Dwell Time	Substrate	Value
ASTM D3330	20 min	ABS	9.19 N/cm (83 oz/in) ¹
	20 min	Paint	6.16 N/cm (56 oz/in) ¹
ASTM D3330	20 min	Polypropylene (PP)	6.12 N/cm (56 oz/in) ¹
ASTM D3330	72 h	ABS	11.97 N/cm (109 oz/in) ¹
	72 h	Paint	9.57 N/cm (86 oz/in) ¹
ASTM D3330	72 h	Polypropylene (PP)	7.67 N/cm (70 oz/in) ¹

¹ 12 in/min (300 mm/min)

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	22 °C (72 °F)	3 N/cm (27 oz/in) ¹
Elongation at Break	ASTM D3759		400 %
Tensile Strength	ASTM D3759		8.8 N/cm (80 oz/in)
Long Term Temperature Resistance			121 °C (250 °F) ²
Minimum Long Term Temperature Resistance			-34 °C (-30 °F) ²

¹ 12 in/min (300 mm/min)

² Long Term (day, weeks)

Storage and Shelf Life

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

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

Available Sizes

Attribute Name	Value
Standard Roll Length	33 m (36 yd)

Information

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ISO Statement

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

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