

3M™ Conformable Sound Management Film 9343

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

Property	Values		Method	Test Condition
Color	Black			
Total Tape Thickness	0.43 mm	17 mil	ASTM D3652	
Backing	Non-woven			
Adhesive	Acrylic			
Liner Thickness	0.15 mm	6 mil	ASTM D3652	
Flammability Test	Pass		FMVSS 302	
Fog Test	91 %			90°C

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

Property	Values		Method	Substrate
Peel Adhesion	3 N/cm	27 oz/in	ASTM D3330	Stainless Steel
Tensile Strength	8.8 N/cm	80 oz/in	ASTM D3759	
Elongation at Break	400 %		ASTM D3759	
Temperature Use Range	-34 to 121 °C	-30 to 250 °F		

90° Peel Adhesion		Dwell/Cure Time	Substrate
9.19 N/cm	83 oz/in	20 min @ Room Temperature	ABS
11.97 N/cm	109 oz/in	72 hr @ Room Temperature	ABS
6.12 N/cm	56 oz/in	20 min @ Room Temperature	Polypropylene (PP)
7.67 N/cm	70 oz/in	72 hr @ Room Temperature	Polypropylene (PP)
6.16 N/cm	56 oz/in	20 min @ Room Temperature	Paint
9.57 N/cm	86 oz/in	72 hr @ Room Temperature	Paint

Property: 90° Peel Adhesion

Backing: Aluminum Foil

notes: 12 in/min (300 mm/min)

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Available Sizes

Property	Values	
Standard Roll Length	33 m	36 yd

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.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/company-us/all-3m-products/~/3M-Conformable-Sound-Management-Film-Tape-9343?N=5002385+3293242544&rt=rud
Safety Data Sheet (SDS)	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=9343

ISO Statement

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

Information

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