



Squeak Reduction Tape

5430 • 9324 • 9325

Technical Data

Product Description

3M™ Squeak Reduction Tapes are a film tape for the automotive industry to help control squeaks and rattles due to vibration or wear of metal and plastic materials.

Product Construction

Backing	Adhesive	Liner	Color	Standard Roll Length
UHMW-PE Film (ultra-high molecular weight polyethylene)	Acrylic	55# densified kraft paper	3M™ Squeak Reduction Tape 5430 - Transparent 3M™ Squeak Reduction Tape 9324 - Black 3M™ Squeak Reduction Tape 9325 - Transparent	36 yds. (32.9 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		
3M tape 5430		
Adhesion to Steel:	75 oz./in. width (82 N/100 mm)	D-3330
Tensile Strength:	40 lbs./in. width (696 N/100 mm)	D-3759
Elongation at Break:	175%	D-3759
Backing Thickness:	5.0 mils (0.13 mm)	D-3652
Total Tape Thickness: (without liner)	7.0 mils (0.18 mm)	D-3652
Liner Thickness:	3.2 mils (0.08 mm)	D-3652
Temperature Use Range:	-30° to 225°F (-34° to 107°C)	
Water Absorption:	0.01%	
Immersion:	24 hours at 75°F (24°C)	
3M tape 9324		
Adhesion to Steel:	75 oz./in. width (82 N/100 mm)	D-3330
Tensile Strength:	40 lbs./in. width (696 N/100 mm)	D-3759
Elongation at Break:	175%	D-3759
Backing Thickness:	5.0 mils (0.13 mm)	D-3652
Total Tape Thickness: (without liner)	6.5 mils (0.17 mm)	D-3652
Liner Thickness:	2 mils (0.05 mm)	D-3652
Temperature Use Range:	-30° to 225°F (-34° to 107°C)	
Water Absorption:	0.01%	
Immersion:	24 hours at 75°F (24°C)	
3M tape 9325		
Adhesion to Steel:	50 oz./in. width (55 N/100 mm)	D-3330
Tensile Strength:	40 lbs./in. width (696 N/100 mm)	D-3759
Elongation at Break:	175%	D-3759
Backing Thickness:	3.0 mils (0.08 mm)	D-3652
Total Tape Thickness: (without liner)	5.0 mils (0.13 mm)	D-3652
Liner Thickness:	2 mils (0.05 mm)	D-3652
Temperature Use Range:	-30° to 225°F (-34° to 107°C)	
Water Absorption:	0.01%	
Immersion:	24 hours at 75°F (24°C)	

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Features

- Excellent adhesion to many painted metal and plastic surfaces.
- UHMW polyethylene is a thermoplastic that has a unique combination of properties which make it ideal for many tough impact wear or sliding applications.
- UHMW-PE tape will outwear most PTFE tapes in sliding applications.
- Low coefficient of friction characteristics is exceeded only by PTFE.
- UHMW-PE tape can be used where lubrication is not possible because of contamination.
- Maximum roll width 24 in. (610 mm).

Application Ideas

- Automotive instrument panel and interior noise reduction.
- Noise reduction between rim fascia and painted metal.
- Noise reduction on doors.
- Industrial sliding or wear applications requiring very high adhesion.

Storage

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton.

Shelf Life

To obtain best performance, use this product within 18 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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