



Squeak Reduction Tape

5430

Technical Data

January, 1997

Product Description Transparent ultra-high molecular weight polyethylene film tape for the Automotive industry to help control squeaks and rattles due to vibration or wear of metal and plastic materials.

Construction	Backing	Adhesive	Color	Liner	Standard Roll Length
	UHMW-PE Film	Acrylic	Transparent	White Paper	36 yds. (33 m)

Typical Physical Properties and Performance Characteristics **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:	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 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:	.01%	
Immersion:	24 hours at 75°F (24°C)	

- General Information**
- 5430 tape has 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.
 - 3M 9324 tape is a black colored version of 5430 tape.
 - 3M 9325 tape is a thinner version of 5430 tape.
 - 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.

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Features	Advantages	Benefits
• Tough UHMW Polyethylene	• Low coefficient of friction	• Helps quiet noise
	• Abrasion resistant	• Helps ensure long lasting performance
• Aggressive Acrylic Adhesive	• Self lubricating	• Helps ensure long lasting performance
	• Release surface for many sticky resinous or viscous materials	• Helps reduce clean up and maintenance costs
	• High adhesion to a variety of substrates	• Helps ensure long lasting performance
• Paper Liner	• Firm, long-aging	• Helps reduce failure caused by adhesive oozing and loss of tack
	• Transparent	• Inconspicuous on many substrates
	• Die-cutability	• Helps increase worker productivity
	• Consistent unwind	• Helps improve roll handling

For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550. Address correspondence to: 3M Industrial Tape and Specialties Division, 3M Center, Building 220-7E-01, St. Paul, MN 55144-1000. Our fax number is 612-733-9175. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-809-750-3000. In Mexico, phone: 5-728-2180.

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ISO 9002

This Industrial Tape and Specialties Division product was manufactured under a 3M quality system registered to ISO 9002 standards.



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