

# Technical Data Sheet

## 3M™ UHMW Polyethylene Tape 9325

### Product Description

3M™ UHMW Polyethylene Tapes are a film coated with an acrylic adhesive for the automotive industry to help control squeaks and rattles due to vibration or wear of metal and plastic materials.



### Product Features

- Tapes demonstrated no evidence of wear through after Taber Abrasion at 1000 cycles, using CS-10 wheel and 1000g load when applied to S-37 mounting sheet.
- Low water vapor transmission rate <0.50 g/100in<sup>2</sup>/24hr
- High-tack acrylic adhesive provides strong initial bond to many painted metal and plastic surfaces.
- Thick caliper UHMW polyethylene tape for extended service life as a protective surface against tough impact wear or sliding applications.
- Outstanding abrasion resistance so will outwear PTFE and other materials 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.
- Liner makes it ideal for fabricating or die-cutting into various lengths and shapes.



### 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	Additional Information
Backing	UHMW-PE Film (ultra-high molecular weight polyethylene)	
Adhesive Type	Acrylic	
Liner Thickness	0.05 mm	
Color	Translucent	
Backing Thickness (mm)	0.08 mm	View 
Test Method: ASTM D3652		
Total Tape Thickness (mil)	5.3 mil	View 


Test Method: ASTM D3652

Total Tape Thickness (mm)	0.13 mm	<a href="#">View</a> 
Test Method: ASTM D3652		
Backing Thickness	3 mil	<a href="#">View</a> 
Test Method: ASTM D3652		
Liner Thickness	2 mil	

### Typical Performance Characteristics

Property	Values	Additional Information
Tensile Strength	47 N/cm	<a href="#">View</a> 
Test Method: ASTM D3759		
180° Peel Adhesion	7.3 N/cm	<a href="#">View</a> 
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		
180° Peel Adhesion	66 oz/in	<a href="#">View</a> 
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		
Tensile Strength	432 oz/in	<a href="#">View</a> 
Test Method: ASTM D3759		
Elongation at Break (%)	390 %	<a href="#">View</a> 
Test Method: ASTM D3759		
Long Term Temp C	107 °C	<a href="#">View</a> 
Test Condition: Long Term (day, weeks)		
Minimum Long Term Temperature Resistance	-34 °C	<a href="#">View</a> 
Test Condition: Long Term (day, weeks)		
Long Term Temp F	225 °F	<a href="#">View</a> 

Test Condition: Long Term (day, weeks)

Minimum Long Term Temperature Resistance	-30 °F	View 
Test Condition: Long Term (day, weeks)		

## Available Sizes

Property	Values	Additional Information
Standard Roll Length	32.9 m	
Standard Roll Length	36 yd	

## Storage and Shelf Life

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% relative humidity in the original packaging material. To obtain best performance, use this product within 18 months from date of manufacture.

## Bottom Matter

3M  
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St. Paul, MN 55144-1000  
800-362-3550

## Trademarks

3M is a trademark of 3M Company.

## Handling/Application Information

### Application Examples

- Automotive instrument panel and interior noise reduction.
- Noise reduction between rim fascia and painted metal.
- Noise reduction on doors.
- Reduce squeaks, rattles and other noises that occur with movement
- Industrial sliding or wear applications requiring very high adhesion.

## References

Property	Values
3m.com Product Page	<a href="https://www.3m.com/3M/en_US/p/d/b40070635/">https://www.3m.com/3M/en_US/p/d/b40070635/</a>
Safety Data Sheet SDS	<a href="https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&amp;msdsLocale=en_US&amp;co=ptn&amp;q=9325">https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&amp;msdsLocale=en_US&amp;co=ptn&amp;q=9325</a>

## Family Group

Link Tags:

- 5430
- 9324
- 9325

Products	Backing	Adhesive Type	Total Tape Thickness (mm)	Tensile Strength	Long Term Temp C	Minimum Long Term Temperature Resistance	Long Term Temp F	Liner Thickness	Backing Thickness (mm)
5430	UHMW-PE Film (ultra-high molecular weight polyethylene)	Acrylic	0.19 mm	74.5 N/cm	107 °C	-34 °C	225 °F	N/A	N/A
9324	UHMW-PE Film (ultra-high molecular weight polyethylene)	Acrylic	0.18 mm	70 N/cm	107 °C	-34 °C	225 °F	N/A	N/A
9325	N/A	Acrylic	N/A	47 N/cm	107 °C	-34 °C	N/A	0.05 mm	0.08 mm

## ISO Statement

This product was manufactured under a quality system registered to ISO 9001 standards.

## Information

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