

# Technical Data Sheet

## 3M™ Double Coated Tape 9832HL+

### Product Description

**Finite Element Analysis (FEA)** data is available for this product at: [3m.com/FEA](https://www.3m.com/FEA)

3M™ Double Coated Tape 9832HL+ with Adhesive 300MP+ is a general purpose tape that provides excellent adhesion to a wide variety of substrates, including many foams, plastics, foil, and felt. A thin polyester film carrier provides dimensional stability and improved handling.

3M tape 9832HL+ can be used in the woodworking market on particle board, melamine, HPL, wood, plywood, vinyl, foam and more.


### Product Features

- 3M™ Acrylic Adhesive 300MP+ is “Low Fog” per SAEJ1756
- Excellent adhesion to foam, fabrics, felt, nylon, leather, wood and other substrates
- Intended for a variety of markets, including general industrial, automotive, marine, medical equipment, specialty vehicle and construction finishing
- The polycoated kraft paper liner makes this adhesive tape ideal for die cutting and converting processes

### 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
Adhesive Type	300MP+ Acrylic	
Adhesive Carrier	PET	
Liner Color	Tan	View 
Test Name: Primary		
Liner	83# PCK	
Liner Thickness	0.16 mm	
Liner Print	None	






Carrier Thickness	0.1 mm	
Total Tape Thickness (mil)	4.8 mil	View ^
Test Method: ASTM D3652		
Total Tape Thickness (mm)	0.12 mm	View ^
Test Method: ASTM D3652		
Total Tape Thickness	0.023 in	View ^
Test Method: ASTM D3652		
Adhesive Thickness	0.05 mm	View ^
Test Name: Backside		
Notes: Backside adhesive is on the exterior of the roll, exposed when liner is removed.		
Adhesive Thickness	2.0 mil	View ^
Test Name: Backside		
Notes: Backside adhesive is on the exterior of the roll, exposed when liner is removed.		
Adhesive Thickness	0.06 mm	View ^
Test Name: Faceside		
Notes: Faceside adhesive is on the interior of the roll, exposed when unwound and liner removed.		
Adhesive Thickness	2.3 mil	View ^
Test Name: Faceside		
Notes: Faceside adhesive is on the interior of the roll, exposed when unwound and liner removed.		
Carrier Thickness	0.5 mil	
Density	0.91 g/cm³	

### Typical Performance Characteristics

Property	Values	Additional Information
90° Peel Adhesion	4 N/cm	View ^
Test Method: ASTM D3330		






Dwell/Cure Time: 72.0  
Dwell Time Units: hr  
Temp C: 70C  
Temp F: 158F  
Environmental Condition: 50%RH  
Substrate: Polypropylene (PP)  
Backing: 2 mil Aluminum Foil


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


90° Peel Adhesion	38 oz/in	View 
<p>Test Method: ASTM D3330</p> <p>Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 70C Temp F: 158F Environmental Condition: 50%RH Substrate: Polypropylene (PP) Backing: 2 mil Aluminum Foil</p> <p>Notes: 12 in/min (300 mm/min)</p>		
90° Peel Adhesion	8 N/cm	View 
<p>Test Method: ASTM D3330</p> <p>Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 70C Temp F: 158F Environmental Condition: 50%RH Substrate: ABS Backing: 2 mil Aluminum Foil</p> <p>Notes: 12 in/min (300 mm/min)</p>		
90° Peel Adhesion	76 oz/in	View 
<p>Test Method: ASTM D3330</p> <p>Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 70C Temp F: 158F Environmental Condition: 50%RH Substrate: ABS Backing: 2 mil Aluminum Foil</p> <p>Notes: 12 in/min (300 mm/min)</p>		
90° Peel Adhesion	5 N/cm	View 
<p>Test Method: ASTM D3330</p> <p>Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 23C Temp F: 72F Substrate: ABS Backing: 2 mil Aluminum Foil</p> <p>Notes: 12 in/min (300 mm/min)</p>		
90° Peel Adhesion	46 oz/in	View 
<p>Test Method: ASTM D3330</p> <p>Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 23C Temp F: 72F</p>		


Substrate: ABS  
Backing: 2 mil Aluminum Foil


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


90° Peel Adhesion	6 N/cm	View 
<p>Test Method: ASTM D3330</p> <p>Substrate: Stainless Steel Backing: 2 mil Aluminum Foil</p> <p>Notes: 12 in/min (300 mm/min)</p>		
90° Peel Adhesion	12 N/cm	View 
<p>Test Method: ASTM D3330</p> <p>Test Name: Backside Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 70C Temp F: 158F Environmental Condition: 50%RH Substrate: Stainless Steel Backing: 2 mil Aluminum Foil</p> <p>Notes: 12 in/min (300 mm/min)</p>		
90° Peel Adhesion	108 oz/in	View 
<p>Test Method: ASTM D3330</p> <p>Test Name: Backside Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 70C Temp F: 158F Environmental Condition: 50%RH Substrate: Stainless Steel Backing: 2 mil Aluminum Foil</p> <p>Notes: 12 in/min (300 mm/min)</p>		
90° Peel Adhesion	3 N/cm	View 
<p>Test Method: ASTM D3330</p> <p>Test Name: Backside Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 23C Temp F: 72F Environmental Condition: 50%RH Substrate: Polypropylene (PP) Backing: 2 mil Aluminum Foil</p> <p>Notes: 12 in/min (300 mm/min)</p>		
90° Peel Adhesion	25 oz/in	View 
<p>Test Method: ASTM D3330</p> <p>Test Name: Backside Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 23C Temp F: 72F Environmental Condition: 50%RH Substrate: Polypropylene (PP) Backing: 2 mil Aluminum Foil</p> <p>Notes: 12 in/min (300 mm/min)</p>		


90° Peel Adhesion	18 N/cm	View 
<div>Test Method: ASTM D3330</div> <div>Test Name: Backside Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 23C Temp F: 72F Environmental Condition: 50%RH Substrate: Polycarbonate (PC) Backing: 2 mil Aluminum Foil</div> <div>Notes: 12 in/min (300 mm/min)</div>		


90° Peel Adhesion	5 N/cm	View 
<div>Test Method: ASTM D3330</div> <div>Test Name: Backside Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 23C Temp F: 72F Environmental Condition: 50%RH Substrate: ABS Backing: 2 mil Aluminum Foil</div> <div>Notes: 12 in/min (300 mm/min)</div>		


90° Peel Adhesion	46 oz/in	View 
<div>Test Method: ASTM D3330</div> <div>Test Name: Backside Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 23C Temp F: 72F Environmental Condition: 50%RH Substrate: ABS Backing: 2 mil Aluminum Foil</div> <div>Notes: 12 in/min (300 mm/min)</div>		


90° Peel Adhesion	32 N/cm	View 
<div>Test Method: ASTM D3330</div> <div>Test Name: Backside Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 23C Temp F: 72F Environmental Condition: 50%RH Substrate: Aluminum Backing: 2 mil Aluminum Foil</div> <div>Notes: 12 in/min (300 mm/min)</div>		


90° Peel Adhesion	6 N/cm	View 
<div>Test Method: ASTM D3330</div> <div>Test Name: Acrylic Dwell/Cure Time: 20.0 Dwell Time Units: min Temp C: 23C Temp F: 72F Environmental Condition: 50%RH Substrate: Stainless Steel Backing: 2 mil Aluminum Foil</div> <div>Notes: 12 in/min (300 mm/min)</div>		


90° Peel Adhesion	56 oz/in	View 
<div>Test Method: ASTM D3330</div> <div>Test Name: Acrylic Dwell/Cure Time: 20.0 Dwell Time Units: min Temp C: 23C Temp F: 72F Environmental Condition: 50%RH Substrate: Stainless Steel Backing: 2 mil Aluminum Foil</div> <div>Notes: 12 in/min (300 mm/min)</div>		


90° Peel Adhesion	11 N/cm	View 
<div>Test Method: ASTM D3330</div> <div>Test Name: Acrylic Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 23C Temp F: 72F Environmental Condition: 50%RH Substrate: Stainless Steel Backing: 2 mil Aluminum Foil</div> <div>Notes: 12 in/min (300 mm/min)</div>		


90° Peel Adhesion	98 oz/in	View 
<div>Test Method: ASTM D3330</div> <div>Test Name: Acrylic Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 23C Temp F: 72F Environmental Condition: 50%RH Substrate: Stainless Steel Backing: 2 mil Aluminum Foil</div> <div>Notes: 12 in/min (300 mm/min)</div>		


90° Peel Adhesion	12 N/cm	View 
<div>Test Method: ASTM D3330</div> <div>Test Name: Acrylic Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 70C Temp F: 158F Environmental Condition: 50%RH Substrate: Stainless Steel Backing: 2 mil Aluminum Foil</div> <div>Notes: 12 in/min (300 mm/min)</div>		


90° Peel Adhesion	108 oz/in	View 
<div>Test Method: ASTM D3330</div> <div>Test Name: Acrylic Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 70C Temp F: 158F Environmental Condition: 50%RH Substrate: Stainless Steel Backing: 2 mil Aluminum Foil</div> <div>Notes: 12 in/min (300 mm/min)</div>		


90° Peel Adhesion	76 N/cm	View 
<div>Test Method: ASTM D3330</div> <div>Test Name: Acrylic Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 23C Temp F: 72F Environmental Condition: 50%RH Substrate: Polycarbonate (PC) Backing: 2 mil Aluminum Foil</div> <div>Notes: 12 in/min (300 mm/min)</div>		

90° Peel Adhesion	100 oz/in	View 
<div>Test Method: ASTM D3330</div> <div>Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 32C Temp F: 90F Environmental Condition: 90%RH Substrate: Stainless Steel Backing: 2 mil Aluminum Foil</div> <div>Notes: 12 in/min (300 mm/min)</div>		

90° Peel Adhesion	11 N/cm	View 
<div>Test Method: ASTM D3330</div> <div>Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 32C Temp F: 90F Environmental Condition: 90%RH Substrate: Stainless Steel Backing: 2 mil Aluminum Foil</div> <div>Notes: 12 in/min (300 mm/min)</div>		

90° Peel Adhesion	55 oz/in	View 
<div>Test Method: ASTM D3330</div> <div>Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 32C Temp F: 90F Environmental Condition: 90%RH Substrate: ABS Backing: 2 mil Aluminum Foil</div> <div>Notes: 12 in/min (300 mm/min)</div>		

90° Peel Adhesion	6 N/cm	View 
<div>Test Method: ASTM D3330</div> <div>Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 32C Temp F: 90F Environmental Condition: 90%RH Substrate: ABS Backing: 2 mil Aluminum Foil</div> <div>Notes: 12 in/min (300 mm/min)</div>		






90° Peel Adhesion	25 oz/in	View 
-------------------	----------	--



Test Method: ASTM D3330

Dwell/Cure Time: 72.0  
Dwell Time Units: hr  
Temp C: 32C  
Temp F: 90F  
Environmental Condition: 90%RH  
Substrate: Polypropylene (PP)  
Backing: 2 mil Aluminum Foil






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

90° Peel Adhesion	3 N/cm	View 
<p>Test Method: ASTM D3330</p> <p>Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 32C Temp F: 90F Environmental Condition: 90%RH Substrate: Polypropylene (PP) Backing: 2 mil Aluminum Foil</p> <p>Notes: 12 in/min (300 mm/min)</p>		
180° Peel Adhesion	56 oz/in	View 
<p>Test Method: ASTM D3330</p> <p>Dwell/Cure Time: 20.0 Dwell Time Units: min Temp C: 23C Temp F: 72F Environmental Condition: 50%RH Substrate: Stainless Steel Backing: 2 mil Aluminum Foil</p> <p>Notes: 12 in/min (300 mm/min)</p>		
180° Peel Adhesion	11 N/cm	View 
<p>Test Method: ASTM D3330</p> <p>Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 70C Temp F: 158F Environmental Condition: 50%RH Substrate: ABS Backing: 2 mil Aluminum Foil</p> <p>Notes: 12 in/min (300 mm/min)</p>		
180° Peel Adhesion	98 oz/in	View 
<p>Test Method: ASTM D3330</p> <p>Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 70C Temp F: 158F Environmental Condition: 50%RH Substrate: ABS Backing: 2 mil Aluminum Foil</p> <p>Notes: 12 in/min (300 mm/min)</p>		
180° Peel Adhesion	69 N/cm	View 
<p>Test Method: ASTM D3330</p> <p>Dwell/Cure Time: 72.0</p>		



Dwell Time Units: hr  
Temp C: 70C  
Temp F: 158F  
Environmental Condition: 50%RH  
Substrate: Polycarbonate (PC)  
Backing: 2 mil Aluminum Foil

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

180° Peel Adhesion	13 N/cm	View 
<p>Test Method: ASTM D3330</p> <p>Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 70C Temp F: 158F Environmental Condition: 50%RH Substrate: Stainless Steel Backing: 2 mil Aluminum Foil</p> <p>Notes: 12 in/min (300 mm/min)</p>		
180° Peel Adhesion	120 oz/in	View 
<p>Test Method: ASTM D3330</p> <p>Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 70C Temp F: 158F Environmental Condition: 50%RH Substrate: Stainless Steel Backing: 2 mil Aluminum Foil</p> <p>Notes: 12 in/min (300 mm/min)</p>		
180° Peel Adhesion	85 N/cm	View 
<p>Test Method: ASTM D3330</p> <p>Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 70C Temp F: 158°F Environmental Condition: 50%RH Substrate: Polycarbonate (PC)</p> <p>Notes: 12 in/min (300 mm/min)</p>		
180° Peel Adhesion	6 N/cm	View 
<p>Test Method: ASTM D3330</p> <p>Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 70C Temp F: 158F Environmental Condition: 50%RH Substrate: Polypropylene (PP) Backing: 2 mil Aluminum Foil</p> <p>Notes: 12 in/min (300 mm/min)</p>		
180° Peel Adhesion	52 oz/in	View 
<p>Test Method: ASTM D3330</p> <p>Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 70C Temp F: 158F Environmental Condition: 50%RH</p>		






Substrate: Polypropylene (PP)  
Backing: 2 mil Aluminum Foil

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

180° Peel Adhesion	37 N/cm	View	^
<div>Test Method: ASTM D3330</div> <div>Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 70C Temp F: 158°F Environmental Condition: 50%RH Substrate: Glass</div> <div>Notes: 12 in/min (300 mm/min)</div>			
180° Peel Adhesion	98 oz/in	View	^
<div>Test Method: ASTM D3330</div> <div>Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp F: 72F Substrate: Stainless Steel Backing: 2 mil Aluminum Foil</div> <div>Notes: 12 in/min (300 mm/min)</div>			
180° Peel Adhesion	11 N/cm	View	^
<div>Test Method: ASTM D3330</div> <div>Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp F: 72F Substrate: Stainless Steel Backing: 2 mil Aluminum Foil</div> <div>Notes: 12 in/min (300 mm/min)</div>			
180° Peel Adhesion	57 oz/in	View	^
<div>Test Method: ASTM D3330</div> <div>Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp F: 72F Substrate: ABS Backing: 2 mil Aluminum Foil</div> <div>Notes: 12 in/min (300 mm/min)</div>			
180° Peel Adhesion	6 N/cm	View	^
<div>Test Method: ASTM D3330</div> <div>Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp F: 72F Substrate: ABS Backing: 2 mil Aluminum Foil</div> <div>Notes: 12 in/min (300 mm/min)</div>			
180° Peel Adhesion	31 oz/in	View	^
<div>Test Method: ASTM D3330</div> <div>Dwell/Cure Time: 72.0</div>			

Dwell Time Units: hr  
Temp F: 72F  
Substrate: Polypropylene (PP)  
Backing: 2 mil Aluminum Foil

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

180° Peel Adhesion	3 N/cm	View 
<p>Test Method: ASTM D3330</p> <p>Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp F: 72F Substrate: Polypropylene (PP) Backing: 2 mil Aluminum Foil</p> <p>Notes: 12 in/min (300 mm/min)</p>		
180° Peel Adhesion	112 oz/in	View 
<p>Test Method: ASTM D3330</p> <p>Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 32C Temp F: 90F Environmental Condition: 90%RH Substrate: Stainless Steel Backing: 2 mil Aluminum Foil</p> <p>Notes: 12 in/min (300 mm/min)</p>		
180° Peel Adhesion	12 N/cm	View 
<p>Test Method: ASTM D3330</p> <p>Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 32C Temp F: 90F Environmental Condition: 90%RH Substrate: Stainless Steel Backing: 2 mil Aluminum Foil</p> <p>Notes: 12 in/min (300 mm/min)</p>		
180° Peel Adhesion	65 oz/in	View 
<p>Test Method: ASTM D3330</p> <p>Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 32C Temp F: 90F Environmental Condition: 90%RH Substrate: ABS Backing: 2 mil Aluminum Foil</p> <p>Notes: 12 in/min (300 mm/min)</p>		
180° Peel Adhesion	7 N/cm	View 
<p>Test Method: ASTM D3330</p> <p>Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 32C Temp F: 90F Environmental Condition: 90%RH Substrate: ABS Backing: 2 mil Aluminum Foil</p>		

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

180° Peel Adhesion	36 oz/in	View ^
<div>Test Method: ASTM D3330</div> <div>Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 32C Temp F: 90F Environmental Condition: 90%RH Substrate: Polypropylene (PP) Backing: 2 mil Aluminum Foil</div> <div>Notes: 12 in/min (300 mm/min)</div>		

180° Peel Adhesion	4 N/cm	View ^
<div>Test Method: ASTM D3330</div> <div>Dwell/Cure Time: 72.0 Dwell Time Units: hr Temp C: 32C Temp F: 90F Environmental Condition: 90%RH Substrate: Polypropylene (PP) Backing: 2 mil Aluminum Foil</div> <div>Notes: 12 in/min (300 mm/min)</div>		

Static Shear	10000 min	View ^
<div>Test Method: ASTM D3654</div> <div>Dwell/Cure Time: 72.0 Dwell Time Units: hr Test Condition: 1000 g @ Room Temperature Substrate: Stainless Steel Backing: Aluminum Foil</div> <div>Notes: 1 x 1 in Area Contact</div>		

Static Shear	10000 min	View ^
<div>Test Method: ASTM D3654</div> <div>Dwell/Cure Time: 72.0 Dwell Time Units: hr Test Condition: 500 g @ 70°C (158°F) Substrate: Stainless Steel Backing: Aluminum Foil</div> <div>Notes: 1 x 1 in Area Contact</div>		

Fogging (Photometric method)	95 %	View ^
<div>Test Method: SAEJ1756</div> <div>Test Condition: 1 hr</div> <div>Notes: Fogging condensate on the glass plate determined by measuring the 60o specular gloss. The 60o specular gloss for the same glass plate is used as a reference value. The higher value indicates less fogging.</div>		

### Storage and Shelf Life

Store in the original packaging at room temperature conditions of 72°F (22°C) and 50% relative humidity. Keep out of direct sunlight. Product retains its performance properties for 24 months from date of manufacture.

### Automotive Disclaimer

Automotive Applications: This product is an industrial product and has not been designed or tested for use in certain automotive applications, including, but not limited to, automotive electric powertrain battery or high voltage applications. This product does not fully adhere to typical automotive design or quality system requirements, such as IATF 16949 or VDA 6.3. This product may not be manufactured in an IATF certified facility and may not meet a Ppk of 1.33 for all properties. The product may not undergo an automotive production part approval process (PPAP). Customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer’s automotive application and for conducting incoming inspections before us of the product. Failure to do so may result in injury, death, and/or harm to property. No written or verbal statement, report, data or recommendation by 3M related to automotive use of the product shall have any force or effect unless in an agreement signed by the Technical Director of 3M’s Automotive Division. Customer assumes all responsibility and risk if customer chooses to use this product in an automotive electric powertrain battery or high voltage application, and 3M will not be liable for any loss or damage arising from or related to the 3M product or customer’s use of the product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity or recall costs), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability. In no event shall 3M be liable for any damages in excess of the purchase price paid for the product.

NOTWITHSTANDING ANY OTHER STATEMENT TO THE CONTRARY, 3M MAKES NO REPRESENTATIONS, WARRANTIES OR CONDITIONS WHATSOEVER, EXPRESS OR IMPLIED, REGARDING THE PRODUCT IF USED IN AN AUTOMOTIVE ELECTRIC POWERTRAIN BATTERY OR HIGH VOLTAGE APPLICATION, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY ON PERFORMANCE, LONGEVITY, SUITABILITY, COMPATIBILITY, OR INTEROPERABILITY, OR ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE.

## Bottom Matter

3M  
Industrial Adhesives and Tapes Division  
Converter Markets  
3M Center, Building 225-3S-06  
St. Paul, MN 55144-1000  
800-223-7427 • 651-778-4244 (fax)  
www.3M.com

## Trademarks

3M is a trademark of 3M Company.

## References

Property	Values
3m.com Product Page	<a href="https://www.3m.com/3M/en_US/p/d/b5005470005/">https://www.3m.com/3M/en_US/p/d/b5005470005/</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=9832HL%2B">https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&amp;msdsLocale=en_US&amp;co=ptn&amp;q=9832HL%2B</a>

## ISO Statement

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

## Information

**Technical Information:** The technical information, guidance, and other statements contained in this document or otherwise provided by 3M are based upon records, tests, or experience that 3M believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed. Such information is intended for people with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any 3M or third party intellectual property rights is granted or implied with this information.

**Product Selection and Use:** Many factors beyond 3M’s control and uniquely within user’s knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer’s application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

**Warranty, Limited Remedy, and Disclaimer:** Unless a different warranty is specifically stated on the applicable 3M product packaging or product literature (in which case such warranty governs), 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. If a 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M’s option, replacement of the 3M product or refund of the purchase price.

**Limitation of Liability:** Except for the limited remedy stated above, and except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.

**Disclaimer:** 3M industrial and occupational products are intended, labeled, and packaged for sale to trained industrial and occupational customers for workplace use. Unless specifically stated otherwise on the applicable product packaging or literature, these products are not intended, labeled, or packaged for sale to or use by consumers (e.g., for home, personal, primary or secondary school, recreational/sporting, or other uses not described in the applicable product packaging or literature), and must be selected and used in compliance with applicable health and safety regulations and standards (e.g., U.S. OSHA, ANSI), as well as all product literature, user instructions, warnings, and limitations, and the user must take any action required under any recall, field action or other product use notice. Misuse of 3M industrial and occupational products may result in injury, sickness, or death. For help with product selection and use, consult your on-site safety professional, industrial hygienist, or other subject matter expert. For additional product information, visit [www.3M.com](http://www.3M.com).