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# Technical Data Sheet

3M™ Adhesive Transfer Tape 9485PC

V-5 | English-US
**Last Revision Date:** April, 2026
**Supersedes:** April, 2025

Additional Info

Regulatory Info/SDS

## Product Description

3M™ Adhesive Transfer Tape 9485PC with 3M™ Adhesive 350 is a modified acrylic adhesive ideal for very high-bond strength to many surfaces. It offers excellent shear and peel resistance even at elevated temperatures. This tape is reinforced with discrete glass fibers, which limits elongation, provides structure and is important for roll stability in narrow widths and resists edge oozing. 3M™ 9485PC is designed for temperature exposure to 177 °C (350 °F) for short periods of time and up to 149 °C (300 °F) over long time frames.

## Product Features

- Intended for metal, high surface energy and low surface energy plastics.
- Designed for chemical resistance and shear and peel strength even at elevated temperatures.
- Reinforced with (or contains) discrete glass fibers, which limits elongation, provide structure and is important for roll stability in narrow widths and resists edge oozing.
- Low odor for improved working environment.
- 62 lb. PCK (polycoated kraft) paper liner provides moisture resistance and minimizes wrinkles.
- Additional constructions and thicknesses available using 350 adhesive.

## 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

| Attribute Name | Test Method | Value |
|---|---|---|
| Adhesive Type | | 350 Fibered Acrylic |
| Total Tape Thickness | ASTM D3652 | 0.127 mm (5 mil) |
| Liner | | 62# Polycoated Kraft |
| Liner Thickness | | 0.11 mm (4.2 mil) |
| Primary Liner Color | | Tan |

## Typical Performance Characteristics

### 180° Peel Adhesion

Backing: 2 mil Aluminum Foil
Test Method: ASTM D3330

| Dwell Time | Temperature | Environmental Condition | Substrate | Value |
|---|---|---|---|---|
| 20 min | 23 °C (73 °F) | | Stainless Steel | 13.3 N/cm (121 oz/in) [1] |
| 72 h | 23 °C (73 °F) | | Stainless Steel | 14.9 N/cm (136 oz/in) [1] |
| 72 h | 23 °C (73 °F) | | ABS | 14.1 N/cm (129 oz/in) [1] |

| Dwell Time | Temperature | Environmental Condition | Substrate | Value |
|---|---|---|---|---|
| 72 h | 23 °C (73 °F) | | Polypropylene (PP) | 16.3 N/cm (149 oz/in) [1] |
| 72 h | 70 °C (158 °F) | | Stainless Steel | 19.3 N/cm (176 oz/in) [1] |
| 72 h | 32 °C (90 °F) | 90 %RH | Stainless Steel | 17.3 N/cm (158 oz/in) [1] |

[1] 300 mm/min (12 in/min)

**90° Peel Adhesion**

Backing: 2 mil Aluminum Foil
Test Method: ASTM D3330

| Dwell Time | Temperature | Substrate | Value |
|---|---|---|---|
| 20 min | 23 °C (73 °F) | Stainless Steel | 9.9 N/cm (90 oz/in) [1] |
| 72 h | 23 °C (73 °F) | Stainless Steel | 11.0 N/cm (101 oz/in) [1] |
| 72 h | 23 °C (73 °F) | ABS | 9.5 N/cm (87 oz/in) [1] |
| 72 h | 23 °C (73 °F) | Polypropylene (PP) | 9.1 N/cm (83 oz/in) [1] |
| 72 h | 70 °C (158 °F) | Stainless Steel | 14.4 N/cm (132 oz/in) [1] |

[1] 300 mm/min (12 in/min)

Substrate: Stainless Steel
Test Condition: 500 g
Test Method: ASTM D3654

| Attribute Name | Value |
|---|---|
| Long Term Temperature Resistance | 149 °C (300 °F) [1] |
| Short Term Temperature Resistance | 177 °C (350 °F) [2] |

[1] Maximum temperature where tape supports indicated load per 6.5cm² (1 in²) in static shear for 10,000 minutes.
[2] Maximum temperature where tape supports indicated load per 6.5cm² (1 in²) in static shear for 60 minutes.

Substrate: Stainless Steel
Temperature: 23 °C (73 °F)
Test Condition: 1000 g
Dwell Time: 72 h
Backing: 2 mil Aluminum Foil

| Attribute Name | Test Method | Value |
|---|---|---|
| Static Shear | ASTM D3654 | 10,000 min [1] |

[1] 25 x 25 mm (1 in x 1 in) sample area, test terminated after 10,000 minutes

**Shear Adhesion Failure Test - SAFT**

Substrate: Stainless Steel
Dwell Time: 72 h
Backing: 2 mil Aluminum Foil
Test Method: PSTC 17

| Test Condition | Value |
|---|---|
| 500 g | 205 °C (401 °F) [1] |
| 1000 g | 122 °C (251 °F) [1] |

[1] 25 x 25 mm (1 in x 1 in) Area Contact

## Typical Environmental Performance

### 90° Peel Adhesion

Substrate: Stainless Steel
Backing: 2 mil Aluminum Foil
Test Method: ASTM D3330

| Dwell Time | Temperature | Environmental Condition | Value |
|---|---|---|---|
| 72 h | 23 °C (73 °F) | Control | 100 % [1] |
| 1 h | 23 °C (73 °F) | Isopropyl alcohol | 89 % of control [1] |
| 1 h | 23 °C (73 °F) | Acetone | 73 % of control [1] |
| 1 h | 23 °C (73 °F) | Gasoline | 75 % of control [1] |
| 72 h | 49 °C (120 °F) | Oil (10W30) | 146 % of control [1] |
| 4 h | 23 °C (73 °F) | Weak Acid (pH 4) | 89 % of control [1] |
| 4 h | 23 °C (73 °F) | Weak Base (pH 10) | 87 % of control [1] |
| 72 h | 23 °C (73 °F) | Salt Water (5% by weight) | 80 % of control [1] |
| 100 h | 23 °C (73 °F) | Water Immersion | 102 % of control [1] |
| 72 h | 32 °C (90 °F) | 90 %RH | 106 % of control [1] |
| 96 h | | Temperature Cycling:<br>4 Hours at 70 °C (158 °F).<br>4 Hours at -29 °C (-20 °F).<br>16 Hours at 23 °C (73 °F).<br>Repeat four times | 140 % of control [1] |

[1] 300 mm/min (12 in/min)

## Electrical and Thermal Properties

ASTM - E1356
(Reporting Midpoint Tg)

| Attribute Name | Value |
|---|---|
| Glass Transition Temperature (Tg) | -28 °C [1] |

[1] Glass Transition Temperature (Tg) determined using DSC Analyzer with a heating rate of 10 °C per minute. Second heat values given.

## Handling/Application Information

### Application Examples

Ideal adhesive application temperature range is 21 °C to 38 °C (70 °F to 100 °F). Initial application to surfaces at temperatures below 10 °C (50 °F) is not recommended for most pressure sensitive adhesives because the adhesive becomes too firm to adhere readily. However, once properly applied, low temperature holding is satisfactory. For more specific information, contact our toll free 3M sales assistance number at 1-800-362-3550.
0.05 mm (2 mil) thick tapes may generally be used for joining materials that are relatively smooth, thin and have low residual stress. For materials with a rough or textured surface, the thicker adhesive film of the 0.127 mm (5 mil) tapes would be more appropriate for evaluation.

### Application Techniques

For maximum bond strength the surface should be thoroughly cleaned and dried. Typical cleaning solvents are heptane or isopropyl alcohol. Consult manufacturer's Material Safety Data Sheet for proper handling and storage instructions. Bond strength can also be improved with firm application pressure and moderate heat (for metal surfaces only), from 38 °C (100 °F) to 54 °C (130 °F), promoting intimate contact with the bonding surfaces

## Storage and Shelf Life

Store under normal conditions of 16° to 27 °C (60° to 80 °F) and 40 to 60 % relative humidity in the original packaging, out of direct sunlight.
For best performance, use this product within 24 months from date of manufacture.

## Available Sizes

| Attribute Name | Value |
|---|---|
| Core Size (ID) | 76.2 mm (3 in) |
| Maximum Available Width | 1220 mm (48 in) |
| Minimum Available Width | 3.175 mm (0.125 in) |
| Normal Slitting Tolerance | ± 0.8 mm (± 1/32 in) |
| Note | Subject to Minimum Order Requirements |

## Recognition/Certification

**TSCA:** This product is defined as articles under the Toxic Substances Control Act and therefore, are exempt from inventory listing requirements.
**MSDS:** This product is not subject to the MSDS requirements of the Occupational Safety and Health Administration's Hazard Communication Standard, 29 C.F.R. 1910.1200(b)(6)(v). When used under reasonable conditions or in accordance with the 3M directions for use, these products should not present a health and safety hazard. However, use or processing of these products in a manner not in accordance with the directions for use may affect their performance and present potential health and safety hazards.
**UL:** This product is UL recognized under the following files:

- File QOQW2.MH17478, Polymeric Adhesive Systems, Electrical Equipment - Component, UL 746C
- File PGGU2.MH26206, Marking & Labeling System Materials - Component, UL 969
- File PGGU8.MH26206, Marking and Labeling System Materials Certified for Canada - Component, CSA-C22.2 No. 0.15.

If you require official recognition of any 350 adhesive under either UL 969 or UL 746C, please contact 3M-customer service at 1-800-362-3550.
For more information on the UL Certification, please visit the website at http://www.3m.com/converter, select UL Recognized Materials, and then select the specific product area.
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## Automotive Disclaimer

**Select Automotive Applications:**
This product is an industrial product and has not been designed or tested for use in certain automotive applications, such as automotive electric powertrain battery or high voltage applications, which may require the product to be manufactured in a IATF certified facility, meet a Ppk of 1.33 for all properties, undergo an automotive production part approval process (PPAP), or fully adhere to automotive design or quality system requirements (e.g., IATF 16949 or VDA 6.3). Customer assumes all responsibility and risk if customer chooses to use this product in these applications.

## Information

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## ISO Statement

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

## For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550 or visit www.3M.com/converter.

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