SNAPSHOOT
ENGINEERED FOR A SAFER TOMORROW

# 현장을 이해하고, 필요한 솔루션을 연결합니다.

산업안전 · 추락방지 시스템
산업용 소재 · 건축자재
제품 제안부터 공급·시공·설치·교육까지




COMPANY INFORMATION

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TECHNICAL DOCUMENTS

## 인증서 · 데이터시트 · 기술자료

제품의 규격과 성능, 인증 및 적용 조건을 확인하기 위한 자료입니다.

ABOUT SNAPSHOOT

### 제품 공급을 넘어, 현장에 맞는 해결책으로

스냅슛은 산업현장의 작업 환경과 요구 조건을 바탕으로
적합한 제품과 시스템을 제안합니다. 현장 실사를 통해 설치 조건을 확인하고,
공급부터 시공·설치 및 사용 교육까지 필요한 과정을 함께합니다.

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홈페이지 바로가기 →
문서 라이브러리 바로가기 →
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본 페이지는 스냅슛의 자료 제공 안내용 표지입니다. 첨부된 인증서 및 기술자료의 발행 주체, 인증 대상과 적용 범위는 해당 원문을 기준으로 확인해 주세요.



English-US

**Last Revision Date:** September, 2024

**Supersedes:** August, 2024

# Technical Data Sheet

3M™ Double Coated Tape 9731RW

Product Details

Regulatory Info/SDS

## Product Description

3M™ Double Coated Tape 9731RW (reverse wound) has a silicone pressure sensitive adhesive coated on one side of a polyester film carrier and a high performance acrylic adhesive coated on the other side of the carrier. Normal wind direction is with the silicone adhesive on the outside of the roll. Reverse would is with the acrylic adhesive on the outside of the roll.

## Product Features

• Silicone adhesive provides bond to Silicone Rubber and silicones.
• 3M™ Adhesive 350 provides adhesion to a wide variety of substrates.
• A thin polyester carrier provides dimensional stability and improved handling with ease of die cutting and lamination compared to adhesive transfer tapes.

## 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 | Test Condition | Value |
|---|---|---|---|
| Adhesive Type | | Acrylic Side | 350 Acrylic Adhesive |
| Adhesive Thickness | | Acrylic Side | 0.04 mm (1.6 mil) |
| Adhesive Carrier | | | Clear PET (Polyester) |
| Carrier Thickness | | | 0.02 mm (1.0 mil) |
| Adhesive Type | | Silicone Side | Silicone |
| Adhesive Thickness | | Silicone Side | 0.07 mm (2.9 mil) |
| Total Tape Thickness | ASTM D3652 | | 0.14 mm (5.5 mil) |
| Density | | | 1.06 g/cm³ |

| Attribute Name | Test Condition | Value |
|---|---|---|
| Liner | Acrylic Side | Brown PCK |
| Liner Thickness | Acrylic Side | 4.2 mil (58# ) |
| Liner Print | | None |
| Liner | Silicone Side | Clear PET |
| Liner Thickness | Silicone Side | 0.07 mm (3.0 mil) |

## Typical Performance Characteristics

### 90° Peel Adhesion

Backing: 2 mil Aluminum Foil
Test Method: ASTM D3330

| Dwell Time | Temperature | Test Condition | Substrate | Value |
|---|---|---|---|---|
| 20 min | 23 °C (73 °F) | Acrylic Side | Stainless Steel | 6.5 N/cm (59 oz/in) [1] |
| 72 h | 23 °C (73 °F) | Acrylic Side | Stainless Steel | 7.0 N/cm (64 oz/in) [1] |

| Dwell Time | Temperature | Test Condition | Substrate | Value |
|---|---|---|---|---|
| 72 h | 70 °C (158 °F) | Acrylic Side | Stainless Steel | 10.8 N/cm (99 oz/in) [1] |
| 72 h | 23 °C (73 °F) | Acrylic Side | ABS | 3.3 N/cm (30 oz/in) [1] |
| 72 h | 23 °C (73 °F) | Acrylic Side | Polypropylene (PP) | 5.8 N/cm (53 oz/in) [1] |
| 72 h | 23 °C (73 °F) | Acrylic Side | Glass | 7.9 N/cm (72 oz/in) [1] |
| 20 min | 23 °C (73 °F) | Silicone Side | Stainless Steel | 4.9 N/cm (45 oz/in) [1] |
| 72 h | 23 °C (73 °F) | Silicone Side | Stainless Steel | 5.4 N/cm (49 oz/in) [1] |
| 72 h | 70 °C (158 °F) | Silicone Side | Stainless Steel | 4.3 N/cm (39 oz/in) [1] |
| 72 h | 23 °C (73 °F) | Silicone Side | ABS | 3.7 N/cm (34 oz/in) [1] |
| 72 h | 23 °C (73 °F) | Silicone Side | Polypropylene (PP) | 5.3 N/cm (48 oz/in) [1] |
| 72 h | 23 °C (73 °F) | Silicone Side | Glass | 5.3 N/cm (48 ) [1] |

[1] 304 mm/min (12 in/min)

**180° Peel Adhesion**

Backing: 2 mil Aluminum Foil
Test Method: ASTM D3330

| Dwell Time | Temperature | Test Condition | Substrate | Value |
|---|---|---|---|---|
| 20 min | 23 °C (73 °F) | Acrylic Side | Stainless Steel | 6.5 N/cm (59 oz/in) [1] |
| 72 h | 23 °C (73 °F) | Acrylic Side | Stainless Steel | 8.6 N/cm (78 oz/in) [1] |
| 72 h | 70 °C (158 °F) | Acrylic Side | Stainless Steel | 13.2 N/cm (120 oz/in) [1] |
| 72 h | 23 °C (73 °F) | Acrylic Side | ABS | 4.2 N/cm (38 oz/in) [1] |
| 72 h | 23 °C (73 °F) | Acrylic Side | Polypropylene (PP) | 7.3 N/cm (67 oz/in) [1] |
| 72 h | 23 °C (73 °F) | Acrylic Side | Glass | 9.7 N/cm (88 oz/in) [1] |
| 20 min | 23 °C (73 °F) | Silicone Side | Stainless Steel | 4.6 N/cm (42 oz/in) [1] |
| 72 h | 23 °C (73 °F) | Silicone Side | Stainless Steel | 4.8 N/cm (44 oz/in) [1] |
| 72 h | 70 °C (158 °F) | Silicone Side | Stainless Steel | 5.9 N/cm (54 oz/in) [1] |
| 72 h | 23 °C (73 °F) | Silicone Side | ABS | 3.4 N/cm (31 oz/in) [1] |
| 72 h | 23 °C (73 °F) | Silicone Side | Polypropylene (PP) | 5.4 N/cm (49 oz/in) [1] |
| 72 h | 23 °C (73 °F) | Silicone Side | Glass | 5.1 N/cm (47 oz/in) [1] |
| 72 h | 23 °C (73 °F) | Silicone Side | Silicone Rubber | 6.1 N/cm (55 oz/in) [1] |

[1] 304 mm/min (12 in/min)

**Static Shear**

Substrate: Stainless Steel
Dwell Time: 72 h
Test Method: ASTM D3654

| Temperature | Test Condition | Value |
|---|---|---|
| 23 °C (73 °F) | 1000 g, Acrylic Side | 10,000 min [1] |
| 70 °C (158 °F) | 500 g Acrylic Side | 10 min [1] |
| 23 °C (73 °F) | 1000 g, Silicone Side | 10,000 min [1] |
| 70 °C (158 °F) | 500 g Silicone Side | 946 min [1] |

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

## Typical Environmental Performance

Substrate: Stainless Steel
Temperature: 32 °C (90 °F)
Dwell Time: 72 h
Backing: 2 mil Aluminum Foil
Test Method: ASTM D3330
Environmental Condition: 90%RH

| Attribute Name | Test Condition | Value |
|---|---|---|
| 90° Peel Adhesion | Acrylic Side | 8.2 N/cm (75 oz/in) [1] |
| 180° Peel Adhesion | Acrylic Side | 10.5 N/cm (96 oz/in) [1] |
| 90° Peel Adhesion | Silicone Side | 5.4 N/cm (49 oz/in) [1] |
| 180° Peel Adhesion | Silicone Side | 5.5 N/cm (50 oz/in) [1] |

[1] 304 mm/min (12 in/min)

## 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 18 months from date of manufacture.

## 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.

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## ISO Statement

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

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