SNAPSHOOT
ENGINEERED FOR A SAFER TOMORROW

# 현장을 이해하고, 필요한 솔루션을 연결합니다.

산업안전 · 추락방지 시스템
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제품 제안부터 공급·시공·설치·교육까지




COMPANY INFORMATION

**스냅슛 (SNAPSHOOT)**

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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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English-US

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# Technical Data Sheet

3M™ Comformable Double Coated Tape 93430

Product Details

Regulatory Info/SDS

## Product Description

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

3M™ Conformable Double Coated Tape 93430 is a high-performance double coated tape specifically designed for the bonding of touch panel modules to device housings ("Lens" or "Window" Bonding). This product incorporates a unique energy absorbing carrier film and pressure sensitive adhesive that provides an exceptional balance of properties required for demanding applications. 3M™ acrylic adhesive provides good bond strength to most surfaces, including printed inks.

## Product Features

- Excellent anti-lifting properties
- Great drop performance is obtained from the energy absorbing core
- Chemical Resistant to a variety of household chemicals
- Great peel adhesion to both Low Surface Energy (LSE) and High Surface Energy (HSE) surfaces

## 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 | | Faceside | Acrylic Adhesive [1] |
| Adhesive Type | | Backside | Acrylic Adhesive [2] |
| Adhesive Carrier | | | Energy Absorbing Core, Black |
| Total Tape Thickness | ASTM D3652 | | 0.3 mm (12 mil) |
| Adhesive Thickness | | Faceside | 0.0875 mm (3.5 mil) [1] |
| Adhesive Thickness | | Backside | 0.0875 mm (3.5 mil) [2] |
| Carrier Thickness | | | 0.125 mm (5 mil) |
| Liner | | | PCK |
| Liner Thickness | | | 0.106 mm (4.2 mil) |

[1] Faceside adhesive is on the interior of the roll, exposed when unwound and liner removed.

[2] Backside adhesive is on the exterior of the roll, exposed when liner is removed.

## Typical Performance Characteristics

### 180° Peel Adhesion

Test Method: ASTM D3330

| Dwell Time | Temperature | Substrate | Backing | Value |
|---|---|---|---|---|
| 15 min | 23 °C (73 °F) | ABS | 2 mil PET | 14.2 N/cm (130 oz/in) [1] |
| 15 min | 23 °C (73 °F) | Polycarbonate (PC) | 2 mil PET | 15.3 N/cm (140 oz/in) [1] |
| 15 min | 23 °C (73 °F) | Polypropylene (PP) | 2 mil PET | 14.8 N/cm (135 oz/in) [1] |

| Dwell Time | Temperature | Substrate | Backing | Value |
|---|---|---|---|---|
| 15 min | 23 °C (73 °F) | Stainless Steel | 2 mil PET | 13.7 N/cm (125 oz/in) [1] |
| 72 h | 23 °C (73 °F) | ABS | 2 mil PET | 14.8 N/cm (135 oz/in) [1] |
| 72 h | 23 °C (73 °F) | Glass | 2 mil PET | 15.3 N/cm (140 oz/in) [1] |
| 72 h | 23 °C (73 °F) | Polycarbonate (PC) | 2 mil PET | 17.4 N/cm (160 oz/in) [1] |
| 72 h | 23 °C (73 °F) | Polypropylene (PP) | 2 mil PET | 16.4 N/cm (150 oz/in) [1] |
| 72 h | 23 °C (73 °F) | Stainless Steel | 2 mil PET | 14.2 N/cm (130 oz/in) [1] |
| 72 h | 70 °C (158 °F) | Glass | | 9.3 N/cm (85 oz/in) [1] |
| 72 h | 70 °C (158 °F) | Polycarbonate (PC) | | 9.3 N/cm (85 oz/in) [1] |

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

### Static Shear

Test Method: ASTM D3654

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

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

| Attribute Name | Value |
|---|---|
| Short Term Temperature Resistance | 149 °C (300 °F) [1] |
| Long Term Temperature Resistance | 93 °C (200 °F) [2] |

[1] Short Term (minutes, hour)

[2] Long Term (day, weeks)

## Handling/Application Information

### Application Examples

- Lens Bonding Applications
- Electronic Device Bonding

### Application Techniques

**For maximum bond strength the surfaces should be thoroughly cleaned with a 50:**50 mixture of isopropyl alcohol and water. Consult manufacturer's directions for use and precautions when using cleaning solvents. Ideal tape application is accomplished when temperature is between 21° and 38°C (between 70° and 100°F) and the bond is allowed to dwell 72 hours. Initial tape application to surfaces at temperatures below 10°C (50°F) is not recommended.

## 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.

## 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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