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

**스냅슛 (SNAPSHOOT)**

ADDRESS (15431) 경기도 안산시 단원구 풍전로 37-9 트리플렉스 301동 118호
TEL 0507-1374-9229
FAX 0504-481-6749
E-MAIL bkkim@snapshoot.co.kr

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.

**추락방지 시스템**

안전대부착설비 · 수평·수직 라이프라인
레일 시스템 · 리지드 포스트

**밀폐공간 진입·구조 솔루션**

데빗암 · 삼각대 · 구조용 윈치
윈치 안전블록 · 구조장비

**산업안전 보호구**

전신형 안전대 · 랜야드 · 안전블록
작업 환경에 맞춘 개인보호구

**산업용 소재·건축자재**

산업용 테이프 · 접착제 · 기능성 소재
구조용 스크류 · 목조건축 자재

SNAPSHOOT
ENGINEERED FOR A SAFER TOMORROW

홈페이지 바로가기 →
문서 라이브러리 바로가기 →
시공사례 바로가기 →
문의하기 →

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



Science. Applied to Life.™

English-US

**Last Revision Date:** September, 2024

**Supersedes:** June, 2024

# Technical Data Sheet

3M™ VHB™ Thin Foam Tape 5980-030

## Product Description

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

3M™ VHB™ Thin Foam Tape 5980-030 is a thin foam tape with pressure sensitive adhesive on both sides and is used for bonding a wide range of high and low surface energy materials in the electronics industry. This specially formulated foam provides impact resistance and high bond strength while providing good conformability.

## Product Features

• Thin foam tapes with pressure sensitive adhesive (PSA) on both sides • Good impact resistance and conformability • High bond strength

## 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 | | Acrylic |
| Density | ASTM D3574 | 910 kg/m³ (57 lb/ft³) [1] |
| Total Tape Thickness | ASTM D3652 | 0.3 mm (12 mil) |
| Color | | Black |
| Liner | | Polyester |
| Primary Liner Thickness | | 0.08 mm (3 mil) |
| Secondary Liner Thickness | | 0.05 mm (2 mil) |
| Primary Liner Color | | Clear |
| Thickness Tolerance | | ± 15 % |

[1] Foam with adhesive

## Typical Performance Characteristics

Substrate: Stainless Steel
Temperature: 23 °C (73 °F)
Dwell Time: 72 h
Backing: 2 mil PET

| Attribute Name | Test Method | Value |
|---|---|---|
| 90° Peel Adhesion | ASTM D3330 | 21 N/cm (12 lb/in) [1] |

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

### Static Shear

Substrate: Stainless Steel

| Temperature | Value |
|---|---|
| 23 °C (73 °F) | 750 g/0.5 in² [1] |
| 70 °C (158 °F) | 250 g/0.5 in² [1] |

[1] Holds 10,000 min.

| Attribute Name | Value |
|---|---|
| Short Term Temperature Resistance | 93 °C (200 °F) [1] |
| Long Term Temperature Resistance | 70 °C (158 °F) [2] |

[1] Short Term (minutes, hour)

[2] Long Term (day, weeks)

## Handling/Application Information

### Application Examples

Lens bonding, LCM attachment, touch panel bonding, bezel bonding.

### Application Techniques

**For maximum bond strength the surfaces should be thoroughly cleaned with a 50:**50 mixture of isopropyl alcohol and water. Consult manufacturers directions for use and precautions when using cleaning solvents. Ideal tape application is accomplished when temperature is between 21°C and 38°C (between 70°F 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 in original cartons at 4-38°C (40-100°F) and 0-95% relative humidity. Optimum storage conditions are 22°C (72°F) and 50% relative humidity. When stored under proper conditions, product retains its performance and properties for 24 months from date of manufacture.

## Available Sizes

| Attribute Name | Value |
|---|---|
| Core Size (ID) | 76.2 mm (3 in) |
| Normal Slitting Tolerance | ± 0.8 mm (± 1/32 in) |
| Standard Roll Length | 65.8 m (72 yd) |

## 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

**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:** 3M warrants for 24 months from the date of 3M manufacture that 3M™ VHB™ Tape will be free of defects in material and manufacture. 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. This warranty does not cover damage resulting from the use or inability to use 3M™ VHB™ Tape due to misuse, workmanship in application, or application or storage not in accordance with 3M recommended procedures (except to the extent 3M approves and issues a specific application warranty, for which the customer must apply, receive 3M approval, and meet all applicable warranty and process requirements, the additional details, terms, and conditions of which are available from 3M). 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.

## ISO Statement

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

3M™ Industrial Adhesives and Tapes Division
3M Center, St. Paul, MN 55144-1000
3M.com/iatd

3M and VHB are trademarks of 3M.
©3M 2024 (9/24)