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.

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

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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.

English-US

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Technical Data Sheet

3M™ General Purpose Double-Coated Tape 9817M

Product Details

Product Description

3M™ General Purpose Double-Coated Tape 9817M provides a balance of peel and shear properties with good heat resistance. Immediate bond utilizing only normal nip pressure when laminated to most open cell urethane and closed cell urethane foams.

It bonds well to polyester, polyester urethane, polyethylene, polystyrene, vinyl foams and most rubbers.

Exposed side is acrylic, liner side is rubber-based. Excellent quick stick and adhesion to high and low energy surfaces.

Product Features

- Extremely high-bond strength to most surfaces.
- Excellent versatility for lamination to foam material.
- Excellent dimensional stability with polyester carrier.
- Densified Kraft liner for rotary die-cutting.
- Good rotary die-cutting characteristics from the super calendared kraft liner.
- Use where high heat or UV resistance is not required.

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 [1]
Adhesive Carrier			Polyester Film
Adhesive Type		Backside	Rubber [2]
Total Tape Thickness	ASTM D3652		0.08 mm (3.3 mil)
Liner			74# Kraft
Liner Thickness			0.103 mm (4.1 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

Dwell Time: 72 h
Backing: 2 mil PET
Test Method: ASTM D3330

Temperature	Substrate	Value
23 °C (73 °F)	Polypropylene (PP)	2.3 N/cm (21 oz/in) [1]
23 °C (73 °F)	Stainless Steel	6.6 N/cm (60 oz/in) [1]
23 °C (73 °F)	Neoprene Rubber	10.5 N/cm (96 oz/in) [1]
70 °C (158 °F)	Neoprene Rubber	4.5 N/cm (41 oz/in) [1]

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

Static Shear

Dwell Time: 60 min
Test Method: ASTM D3654

Temperature	Test Condition	Value
23 °C (73 °F)	1000 g	10,000 min [1]
70 °C (158 °F)	250 g	4,000 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	80 °C (175 °F) [1]
Long Term Temperature Resistance	49 °C (120 °F) [2]

[1] Short Term (minutes, hour)
[2] Long Term (day, weeks)

Attribute Name	Value
Relative Adhesion (HSE)	High
Relative Adhesion (LSE)	Medium

Typical Environmental Performance

Attribute Name	Value
Solvent Resistance	Medium

Typical Environmental Characteristics

Environmental Resistance

Properties defined are based on the adhesion of impervious faceplate materials to a stainless steel test surface.

Bond Build Up: The adhesive bond increases as a function of time and temperature.

Heat Resistance:3M tape 9816L,M,H 150°F (65°C)
3M tape 9817L,M,H Acrylic-220°F (105°C) Rubber-175° (80°C)

Low Temp. Resistance: 40°F (4.4°C).

Processing

Die-cutting: Good die-cuttability. Lubricate dies with vanishing oil or similar low lubricants for improved processing.

Roll Laminating: Use rubber over steel roll set up with moderate application pressure. Make adhesive to substrate contact at nip area only.

Handling/Application Information

Application Examples

- General purpose foam or rubber laminating (60 in).
- General purpose lamination of fabricated parts.

Application Techniques

For maximum bond strength, surface should be thoroughly cleaned and dried. A typical cleaning solvent is heptane or isopropyl alcohol. When using cleaning solvents, vanishing oils, or lubricants, consult the manufacturer's Material Safety Data Sheet for proper handling and storage instructions.

Bond strength may be improved with firm application pressure and moderate heat causing adhesive to flow and develop intimate contact with bonding surface.

This adhesive is good for most indoor applications and can be used for outdoor applications if the adhesive is not directly exposed to the environment.

The temperature resistance is somewhat lower than our typical acrylics. Therefore, temperatures above 150°F (65°C) should be avoided.

Avoid contact withPlasticized Vinyl or plasticized rubber surfaces. Plasticizers will soften the rubber adhesive.

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.

Information

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ISO Statement

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

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