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.

Technical Data Sheet

3M™ Double Coated Tape 9119-140

Product Description

3M™ Double Coated Tapes 9119-140 has a firm, 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.

Product Features

• Silicone adhesive provides good bond toSilicone Rubber, strong holding power to various silicone surfaces, good temperature performance and good solvent resistance. • 3M™ Adhesive 350 provides very high adhesion to a wide variety of materials, excellent shear holding power, high temperature resistance and excellent UV resistance. • 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
Color			Clear
Adhesive Type		Faceside	350 Acrylic Adhesive [1]
Adhesive Type		Backside	Silicone Adhesive [2]
Adhesive Carrier			Clear PET (Polyester)
Carrier Thickness			0.025 mm (1 mil)
Adhesive Thickness		Faceside	0.041 mm (1.6 mil) [1]
Adhesive Thickness		Backside	0.074 mm (2.9 mil) [2]
Total Tape Thickness	ASTM D3652		0.14 mm (5.5 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.

Attribute Name	Value
Primary Liner Type	58# Polycoated Kraft [1]
Secondary Liner Type	Fluoropolymer non-Silicone [1]
Primary Liner Thickness	0.14 mm (5.5 mil)
Secondary Liner Thickness	0.05 mm (2 mil)
Primary Liner Color	Tan
Secondary Liner Color	Clear

[1] Inner liner is primary (stays with die-cut part); Outer liner is secondary (removed first)

Typical Performance Characteristics

180° Peel Adhesion

Substrate: Stainless Steel
Temperature: 23 °C (73 °F)
Test Method: ASTM D3330

Dwell Time	Test Condition	Backing	Value
15 min	Silicone Side	2 mil Aluminum Foil	1 N/cm (1 oz/in) [1]
20 min			9 N/cm [1]

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

Attribute Name	Value
Short Term Temperature Resistance	177 °C (350 °F) [1]
Long Term Temperature Resistance	121 °C (250 °F) [2]

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

Electrical and Thermal Properties

Attribute Name	Test Method	Temperature	Test Condition	Value
Dielectric Strength	ASTM D1000			8,000 V [1]
Surface Resistivity (Silicone)	ASTM D257	23 °C (73 °F)		2.6×10^{15} Ω-cm [2]
Surface Resistivity (350 Acrylic)	ASTM D257	23 °C (73 °F)	Acrylic Side	7.4×10^{15} Ω-cm [3]
Volume Resistivity	ASTM D257	23 °C (73 °F)		3.4×10^{15} Ω-cm

[1] RMS Voltage/Thickness
[2] Silicone
[3] 350 Acrylic

Handling/Application Information

Application Examples

• Applications where bondingSilicone Rubber to low surface energy materials is necessary.

Application Techniques

Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure helps develop better adhesive contact and improves bond strength.

To obtain optimum adhesion, the bonding surfaces must be clean, dry and well unified. Some typical surface cleaning solvents are isopropyl alcohol or heptane.*

Ideal tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application to surfaces at temperatures below 50°F (10°C) is not recommended because the adhesive becomes too firm to adhere readily. However, once properly applied, low temperature holding is generally satisfactory.

*Note: Carefully read and follow the manufacturer’s precautions and directions for use when working with solvents. These cleaning recommendations may not be in compliance with the rules of certain air quality management districts in California; consult applicable rules before use.

Application Equipment

To apply adhesives in a wide web format, lamination equipment is required to ensure acceptable quality. To learn more about working with pressure-sensitive adhesives please refer to technical bulletin, Lamination Techniques for Converters of Laminating Adhesives (70-0704-1430-8).

For additional dispenser information, contact your local 3M sales representative, or the toll free 3M sales assistance number at 1-800-362-3550.

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 12 months from date of manufacture.

Available Sizes

Attribute Name	Width	Value
Core Size (ID)		76.2 mm (3 in)
Maximum Available Width		965 mm (38 in)
Maximum Length	1/4 in to 3/8 in widths	32.9 m (36 yd)
Maximum Length	1 to 38 in	98.9 mm (108 yd)
Minimum Available Width		6.35 mm (1/4 in)
Normal Slitting Tolerance		±0.8 mm (±1/32 in)
Note		Subject to Minimum Order Requirements

Recognition/Certification

MSDS:3M has not prepared a MSDS for these products which are 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.

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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