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™ Low VOC Tape 99015LVC

English-US

Last Revision Date: September, 2024

Supersedes: August, 2024

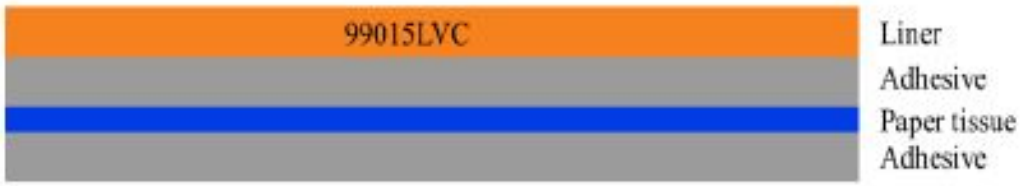
Product Details

Regulatory Info/SDS

Product Description

3M™ Low VOC Tapes with Acrylic Adhesive 98010LVC and 99015LVC are designed for automotive interior applications on commonly used foam substrates, such as PU Ester and EPDM, as well as high surface energy (HSE) substrates. The pure acrylic adhesive on both thin bonding tapes is designed to be low fog and low emission to meet the VOC requirements set forth in the JAMA and VDA278 test methods used by Automotive OEM's and tier suppliers.

98010LVC is a 3.9 mil (0.10 mm) low VOC scrim reinforced transfer tape that provides good dimensional stability for large area lamination. 99015LVC is a 5.9 mil (0.15 mm) low VOC double coated tape with tissue carrier for ease of handling during lamination and excellent die-cutting characteristic.



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
Total Tape Thickness	ASTM D3652	0.15 mm (5.9 mil)
Liner		58# Densified Kraft
Liner Print		Low VOC
Liner Thickness		0.08 mm (3.2 mil)
Primary Liner Color		White with red print

Typical Performance Characteristics

180° Peel Adhesion

Backing: 2 mil Aluminum Foil
Test Method: ASTM D3330

Dwell Time	Temperature	Substrate	Value
20 min	23 °C (73 °F)	ABS	13 N/cm (120 oz/in) [1]
20 min	23 °C (73 °F)	Polycarbonate (PC)	14 N/cm (130 oz/in) [1]
20 min	23 °C (73 °F)	Polypropylene (PP)	2.6 N/cm (24 oz/in) [1]
20 min	23 °C (73 °F)	Stainless Steel	13 N/cm (120 oz/in) [1]
72 h	70 °C (158 °F)	ABS	14 N/cm (130 oz/in) [1]
72 h	70 °C (158 °F)	Polycarbonate (PC)	14 N/cm (130 oz/in) [1]
72 h	70 °C (158 °F)	Polypropylene (PP)	2.7 N/cm (25 oz/in) [1]
72 h	70 °C (158 °F)	Stainless Steel	12 N/cm (110 oz/in) [1]

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

90° Peel Adhesion

Backing: 2 mil Aluminum Foil
Test Method: ASTM D3330

Dwell Time	Temperature	Substrate	Value
20 min	23 °C (73 °F)	ABS	2.0 N/cm (18 oz/in) [1]
20 min	23 °C (73 °F)	Polycarbonate (PC)	9.5 N/cm (87 oz/in) [1]
20 min	23 °C (73 °F)	Polypropylene (PP)	2.6 N/cm (24 oz/in) [1]
20 min	23 °C (73 °F)	Stainless Steel	6.0 N/cm (55 oz/in) [1]
72 h	70 °C (158 °F)	ABS	7.3 N/cm (67 oz/in) [1]
72 h	70 °C (158 °F)	Polypropylene (PP)	2.1 N/cm (19 oz/in) [1]
72 h	70 °C (158 °F)	Stainless Steel	14 N/cm (130 oz/in) [1]

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

Temperature: 70 °C (158 °F)

Attribute Name	Test Method	Value
Static Shear	ASTM D3654	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	121 °C (250 °F) [1]
Long Term Temperature Resistance	93 °C (200 °F) [2]

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

Attribute Name	Value
Note	Calipers are nominal values

Typical Environmental Performance

Fogging (Photometric method)

Test Method: SAEJ1756

Dwell Time	Value
1 h	97 % [1]
16 h	98 % [1]

[1] Fogging condensate on the glass plate determined by measuring the 60o specular gloss. The 60o specular gloss for the same glass plate is used as a reference value. The higher value indicates less fogging.

Handling/Application Information

Application Examples

- Automotive interior bonding
- Door trim and door bolster attachment
- Foam, flock and felt for BSR applications
- Gaskets and seals
- Headliner component and shade attachment
- Acoustic/Thinsulate™ attachment

Storage and Shelf Life

Store under normal conditions of 16° to 27°C (60° to 80°F) in the original, unopened packaging, out of direct sunlight. For best performance, use this product within 24 months from date of manufacture.

Available Sizes

Attribute Name	Value
Master Width	1000, 1372, 1500 mm (39, 54, 59 in) [1]

[1] More sizes may be available. Please talk to your local 3M representative for more information.

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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