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 9490LE+

Product Details

Product Description

3M™ Double Coated Tape 9490LE+ is a differential double coated tape with 3M™ Acrylic Adhesive 300MP+ and Acrylic Adhesive 300LSE.

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	300MP+ [1]
Adhesive Thickness		Faceside	0.071 mm (2.8 mil) [1]
Adhesive Carrier			Clear PET (Polyester)
Carrier Thickness			0.013 mm (0.5 mil)
Adhesive Type		Backside	300LSE [2]
Adhesive Thickness		Backside	0.086 mm (3.4 mil) [2]
Total Tape Thickness	ASTM D3652		0.17 mm (6.7 mil)
Density			0.91 g/cm³

[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 Color	Tan
Liner Print	3M 300LSE
Primary Liner Thickness	0.11 mm (4.2 mil)

Typical Performance Characteristics

180° Peel Adhesion

Backing: 2 mil Aluminum Foil
Test Method: ASTM D3330

Dwell Time	Temperature	Test Condition	Substrate	Value
20 min	22 °C (72 °F)	Faceside	Stainless Steel	5.1 N/cm (46 oz/in) [1]
72 h	22 °C (72 °F)	Faceside	Stainless Steel	8.7 N/cm (79 oz/in) [1]
72 h	22 °C (72 °F)	Faceside	ABS	5.7 N/cm (52 oz/in) [1]
72 h	22 °C (72 °F)	Faceside	Polypropylene (PP)	5.5 N/cm (50 oz/in) [1]
72 h	70 °C (158 °F)	Faceside	Stainless Steel	13 N/cm (120 oz/in) [1]
72 h	70 °C (158 °F)	Faceside	ABS	8.7 N/cm (79 oz/in) [1]
72 h	70 °C (158 °F)	Faceside	Polypropylene (PP)	5.3 N/cm (49 oz/in) [1]
20 min	22 °C (72 °F)	Backside	Stainless Steel	9.9 N/cm (90 oz/in) [1]

Dwell Time	Temperature	Test Condition	Substrate	Value
72 h	22 °C (72 °F)	Backside	Stainless Steel	11 N/cm (98 oz/in) [1]
72 h	22 °C (72 °F)	Backside	ABS	8.8 N/cm (80 oz/in) [1]
72 h	22 °C (72 °F)	Backside	Polypropylene (PP)	9.1 N/cm (83 oz/in) [1]
72 h	70 °C (158 °F)	Backside	Stainless Steel	14 N/cm (130 oz/in) [1]
72 h	70 °C (158 °F)	Backside	ABS	14 N/cm (130 oz/in) [1]
72 h	70 °C (158 °F)	Backside	Polypropylene (PP)	11 N/cm (99 oz/in) [1]

[1] 12 in/min (300 mm/min)

90° Peel Adhesion

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

Temperature	Test Condition	Substrate	Value
22 °C (72 °F)	Faceside	Stainless Steel	6.0 N/cm (54 oz/in) [1]
22 °C (72 °F)	Faceside	ABS	4.5 N/cm (42 oz/in) [1]
22 °C (72 °F)	Faceside	Polypropylene (PP)	4.4 N/cm (40 oz/in) [1]
70 °C (158 °F)	Faceside	Stainless Steel	12 N/cm (110 oz/in) [1]
70 °C (158 °F)	Faceside	ABS	5.8 N/cm (53 oz/in) [1]
70 °C (158 °F)	Faceside	Polypropylene (PP)	4.1 N/cm (38 oz/in) [1]
22 °C (72 °F)	Backside	Stainless Steel	8.4 N/cm (76 oz/in) [1]
22 °C (72 °F)	Backside	ABS	6.9 N/cm (62 oz/in) [1]
22 °C (72 °F)	Backside	Polypropylene (PP)	8.1 N/cm (74 oz/in) [1]
70 °C (158 °F)	Backside	Stainless Steel	13 N/cm (120 oz/in) [1]
70 °C (158 °F)	Backside	ABS	7.5 N/cm (68 oz/in) [1]
70 °C (158 °F)	Backside	Polypropylene (PP)	8.6 N/cm (78 oz/in) [1]

[1] 12 in/min (300 mm/min)

Static Shear

Substrate: Stainless Steel
Dwell Time: 72 h
Backing: 2 mil Aluminum Foil
Test Method: ASTM D3654

Temperature	Test Condition	Value
22 °C (72 °F)	1000g	8,700 [1]
70 °C (158 °F)	500g	10,000 [1]

[1] 1 in x 1 in sample area, test terminated after 10,000 minutes

Dwell Time: 16 h

Attribute Name	Test Method	Value
Fogging (Photometric method)	SAEJ1756	95 % [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.

Typical Environmental Performance

Temperature: 32 °C (90 °F)
Dwell Time: 72 h
Backing: 2 mil Aluminum Foil
Test Method: ASTM D3330
Environmental Condition: 90%RH

Attribute Name	Test Condition	Substrate	Value
180° Peel Adhesion	Faceside	Stainless Steel	11 N/cm (100 oz/in) [1]
180° Peel Adhesion	Faceside	ABS	6.4 N/cm (60 oz/in) [1]
180° Peel Adhesion	Faceside	Polypropylene (PP)	6.0 N/cm (55 oz/in) [1]
90° Peel Adhesion	Faceside	Stainless Steel	10.4 N/cm (94 oz/in) [1]
90° Peel Adhesion	Faceside	ABS	7.2 N/cm (66 oz/in) [1]
90° Peel Adhesion	Faceside	Polypropylene (PP)	4.7 N/cm (42 oz/in) [1]
180° Peel Adhesion	Backside	Stainless Steel	12 N/cm (110 oz/in) [1]
180° Peel Adhesion	Backside	ABS	9.9 N/cm (90 oz/in) [1]
180° Peel Adhesion	Backside	Polypropylene (PP)	12 N/cm (110 oz/in) [1]
90° Peel Adhesion	Backside	Stainless Steel	10 N/cm (94 oz/in) [1]
90° Peel Adhesion	Backside	ABS	7.2 N/cm (66 oz/in) [1]
90° Peel Adhesion	Backside	Polypropylene (PP)	11 N/cm (97 oz/in) [1]

[1] 12 in/min (300 mm/min)

Electrical and Thermal Properties

Attribute Name	Test Method	Value
Glass Transition Temperature (Tg)	ASTM E1356	-60 °C [1]

[1] Glass Transition Temperature (Tg) determined using DSC Analyzer with a heating rate of 4°C per minute. First heat values given.

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 18 months from date of manufacture.

Automotive Disclaimer

Select Automotive Applications:
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Information

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ISO Statement

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