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)

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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.



3M Science. Applied to Life.™

Technical Data Sheet

3M™ Double Coated Tape 9690+

English-US
Last Revision Date: June, 2024
Supersedes: April, 2024

Product Description

3M™ Double Coated Tape 9690+ with Acrylic Adhesive 300MP+ formulated for low fog characteristics. The 300MP+ adhesive is suitable for bonding to most substrates including foams, fabrics and substrates with rough or textured surfaces.

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 Thickness		Faceside	0.071 mm (2.8 mil) [1]
Adhesive Carrier			Clear PET
Carrier Thickness			0.013 mm (0.5 mil)
Adhesive Thickness		Backside	0.06 mm (2.3 mil) [2]
Total Tape Thickness	ASTM D3652		0.14 mm (5.5 mil)
Density			0.91 g/cm³

[1] Faceside adhesive is on the interior of the roll, exposed when unwound.

[2] Backside adhesive is on the exterior of the roll, exposed when liner is removed.

Attribute Name	Value
Liner	83# PCK
Liner Thickness	6.2 mil
Primary Liner Color	Tan
Liner Print	3M logo

Typical Performance Characteristics

180° Peel Adhesion

Backing: 2 mil Aluminum Foil
Test Method: ASTM D3330

Dwell Time	Temperature	Substrate	Value
20 min	22 °C (72 °F)	Stainless Steel	6.1 N/cm (55 oz/in) [1]
72 h	22 °C (72 °F)	Stainless Steel	8.9 N/cm (81 oz/in) [1]
72 h	22 °C (72 °F)	ABS	4.7 N/cm (42 oz/in) [1]
72 h	22 °C (72 °F)	Polypropylene (PP)	4.6 N/cm (42 oz/in) [1]
72 h	70 °C (158 °F)	Stainless Steel	13.7 N/cm (124 oz/in) [1]
72 h	70 °C (158 °F)	ABS	8.1 N/cm (73 oz/in) [1]
72 h	70 °C (158 °F)	Polypropylene (PP)	54.5 N/cm (41 oz/in) [1]

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

90° Peel Adhesion

Backing: 2 mil Aluminum Foil
Test Method: ASTM D3330

Dwell Time	Temperature	Substrate	Value
20 min	22 °C (72 °F)	Stainless Steel	4.5 N/cm (40 oz/in) [1]
72 h	22 °C (72 °F)	Stainless Steel	8.4 N/cm (76 oz/in) [1]
72 h	22 °C (72 °F)	ABS	4.2 N/cm (38 oz/in) [1]
72 h	22 °C (72 °F)	Polypropylene (PP)	4.0 N/cm (36 oz/in) [1]
72 h	70 °C (158 °F)	Stainless Steel	13.4 N/cm (122 oz/in) [1]
72 h	70 °C (158 °F)	ABS	6.2 N/cm (56 oz/in) [1]
72 h	70 °C (158 °F)	Polypropylene (PP)	3.8 N/cm (35 oz/in) [1]

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

Substrate: Stainless Steel
Temperature: 22 °C (72 °F)
Test Condition: 1000g
Dwell Time: 72 h
Backing: 2 mil Aluminum Foil

Attribute Name	Test Method	Value
Static Shear	ASTM D3654	8,400 min [1]

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

Dwell Time: 1 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	Substrate	Value
180° Peel Adhesion	Stainless Steel	11.4 N/cm (104 oz/in) [1]
180° Peel Adhesion	ABS	5.2 N/cm (47 oz/in) [1]
180° Peel Adhesion	Polypropylene (PP)	4.8 N/cm (43 oz/in) [1]
90° Peel Adhesion	Stainless Steel	9.8 N/cm (89 oz/in) [1]
90° Peel Adhesion	ABS	4.3 N/cm (39 oz/in) [1]
90° Peel Adhesion	Polypropylene (PP)	3.7 N/cm (33 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 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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