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)

ADDRESS (15431) 경기도 안산시 단원구 풍전로 37-9 트리플렉스 301동 118호
TEL 0507-1374-9229
FAX 0504-481-6749
E-MAIL bkkim@snapshoot.co.kr

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 →

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English-US

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Technical Data Sheet

3M™ Adhesive Transfer Tape L3 + T5

Product Details

Product Description

3M™ Adhesive Transfer Tapes L3+T3 and L3+T5 consist of a proprietary specialty acrylic adhesive designed to withstand temperatures up to 275°F (135°C) and have a good adhesion to elastomeric substrates. They bond well to Santoprene™, Neoprene Rubber, Butyl Rubber and many versions of EPDM Rubber. All constructions from the L3 Family feature an 83# kraft colored, unprinted, polycoated kraft (PCK) liner for superior processing.

Product Features

- Proprietary 3M modified acrylic adhesive that withstands temperatures up to 275°F (135°C)
- Adhesive offers good adhesion to many elastomeric substrates
- Excellent peel adhesion and shear strength
- Bonds well to Santoprene™, neoprene rubber, butyl rubber, nitrile rubber, and many versions of EPDM rubber
- An 83# tan colored, unprinted polycoated kraft (PCK) liner for superior processing

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	Value
Product Construction	L3+T5 a 5-mil transfer tape that shares all the benefits of L3+T3, but offers a 5 mil coat weight to adhere to more structured surfaces.

Attribute Name	Test Method	Value
Adhesive Type		Acrylic
Total Tape Thickness	ASTM D3652	0.127 mm (5 mil)
Liner		83# PCK
Liner Thickness		0.145 mm (6.2 mil)
Primary Liner Color		Kraft

Typical Performance Characteristics

90° Peel Adhesion

Temperature: 23 °C (73 °F)
Test Condition: Backside
Dwell Time: 72 h
Backing: 2 mil Aluminum Foil
Test Method: ASTM D3330

Substrate	Value
ABS	11 N/cm (102 oz/in) [1]
Aluminum	7.3 N/cm (67 oz/in) [1]
Polypropylene (PP)	12.6 N/cm (115 oz/in) [1]
Stainless Steel	12 N/cm (109 oz/in) [1]

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

T-Peel Elastomeric Faceside

Temperature: 23 °C (73 °F)
Dwell Time: 72 h
Test Method: ASTM D1876

Substrate	Value
Butyl Rubber	2.2 N/cm (20 oz/in) (POR) [1]
EPDM Rubber	4.2 N/cm (38 oz/in) (POR) [1]
Neoprene Rubber	3.5 N/cm (32 oz/in) (POR) [1]
TPV	3.2 N/cm (29 oz/in) (POR) [1]

[1] POR=Pop Off Rubber

Static Shear

Test Condition: 1000 g
Dwell Time: 72 h
Test Method: ASTM D3654

Temperature	Value
23 °C (73 °F)	10,000 min [1]
70 °C (158 °F)	3,875 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	149 °C (300 °F) [1]
Long Term Temperature Resistance	93 °C (200 °F) [2]

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

Typical Environmental Characteristics

Environmental Resistance

Temperature Resistance: The L3 adhesive family is usable for short periods (minutes, hours) at temperatures up to 275°F (135°C) and for intermittent longer periods of time (days, weeks) up to 200°F (93°C).

Lower Service Temperature:-40°F (-40°C)

Humidity Resistance: High humidity has minimal effect on adhesive performance. No significant reduction in bond strength is observed after exposure for 7 days at 90°F (32°C) and 90% relative humidity.

Handling/Application Information

Application Techniques

Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application will assist the adhesive in developing intimate contact with the bonding surface.

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.

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.

Available Sizes

Attribute Name	Value
Available Width	1372 mm (54 in)
Core Size (ID)	76.2 mm (3 in)
Normal Slitting Tolerance	±0.8 mm (±1/32 in)
Note	Subject to Minimum Order Requirements
Standard Roll Length	229 m (250 yd)

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.

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ISO Statement

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

3M™ Industrial Adhesives and Tapes Division
3M Center, St. Paul, MN 55144-1000
3M.com/iatd

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