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™ Chemical-Resistant Adhesive Transfer Tape 96105CR

Product Description

3M™ Chemical-Resistant Adhesive Transfer Tape 96105CR is a chemical resistant adhesive transfer tape featuring a new proprietary specialty adhesive designed for electronic device and enclosure bonding. With exceptional chemical resistance, this 50 µm (2.0 mil) clear tape is ideal for high and medium surface energy substrates such as metals, plastics, polyimide films and ink-printed surfaces.

Product Features

•Excellent chemical resistance to a variety of household chemicals. • High bond strength to high/medium surface energy substrates such as metals, plastics (PC, PMMA, ABS), polyimide films and ink-printed 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	Value
Adhesive Type		3M proprietary specialty adhesive
Cured Color		Clear
Total Tape Thickness	ASTM D3652	0.05 mm (2 mil)
Primary Liner Type		Clear PET [1]
Secondary Liner Type		Clear PET [1]
Primary Liner Thickness		0.05 mm (2 mil)
Secondary Liner Thickness		0.05 mm (2 mil)

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

Typical Cured Characteristics

Test Condition: DMA

Attribute Name	Value
Storage Modulus	0.56 @ 25C MPa [1]

[1] Temp ramp 3 °C/min

Typical Performance Characteristics

180° Peel Adhesion

Substrate: Stainless Steel
Temperature: 23 °C (73 °F)
Backing: 2 mil PET
Test Method: ASTM D3330

Dwell Time	Value
15 min	5.2 N/cm (46 oz/in) [1]
72 h	8.1 N/cm (72 oz/in) [1]

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

Static Shear

Temperature: 70 °C (158 °F)
Test Method: ASTM D3654

Value
>10,000 min [1]
> 10,000 min

[1] 25 x 25 mm (1 in x 1 in) sample area, test terminated after 10,000 minutes

Electrical and Thermal Properties

Attribute Name	Value
Glass Transition Temperature (Tg)	1.5 °C [1]

[1] DMA (1 Hz, 5% Strain, Temperature Ramp: 3 °C/min)

Handling/Application Information

Application Examples

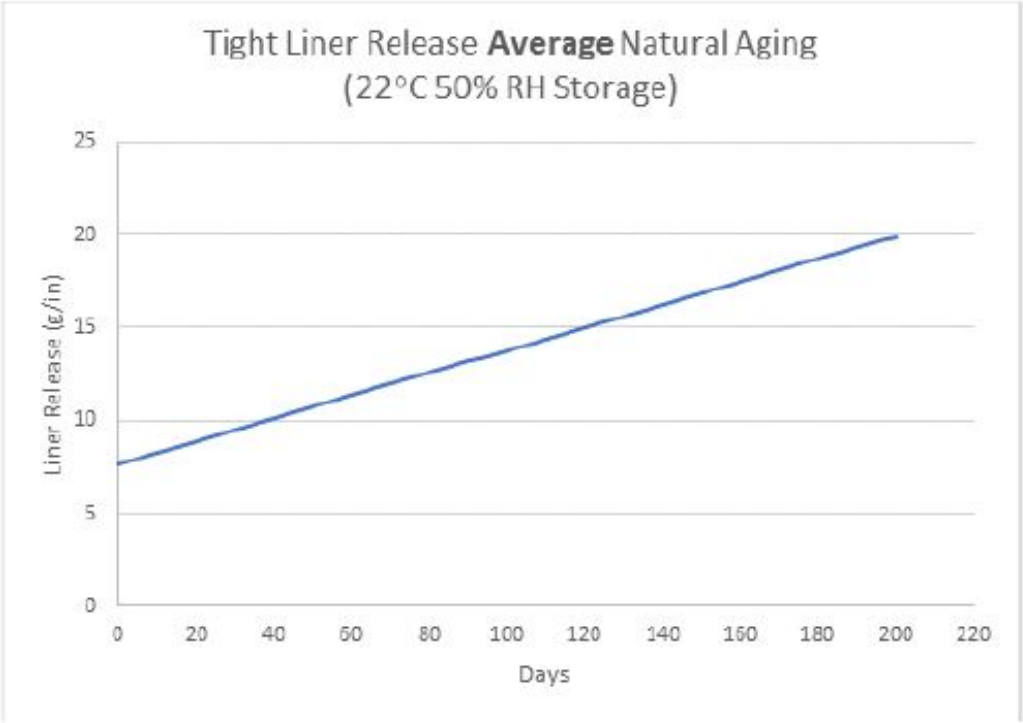
- Electronic Device Component Bonding
- Electronic Device Enclosure Bonding
- Electronics Accessory Bonding

Application Techniques

For maximum bond strength the surfaces should be thoroughly cleaned and dried, one cleaning example is to use a 50:50 (volume/volume) mixture of isopropyl alcohol and water. Consult manufacturer's directions for use and precautions when using cleaning solvents. Ideal tape application is accomplished when the product and substrate temperature is between 21°C (70°F) and 38°C (100°F) and the bond is allowed to dwell for 72 hours. Initial tape application to surfaces at temperatures below 10°C (50°F) is not recommended. For application on rough surfaces, moderate heat lamination (65°C, 72.5psi for 1 to 5 minutes) is recommended.

Storage and Shelf Life

The shelf life of 3M™ Chemical-Resistant Adhesive Transfer Tape 96105CR is 6 months from the date of manufacture when stored in its original packaging materials and maintained at 21°C (70°F) and 50% relative humidity.
Product Storage Shelf-Life:
The tight side liner release will increase at approximately 0.07 g/in per day (tight side liner release USL at 6 months room temperature storage is 30 g/in). To maintain tight side liner release below 15 g/in, 3M tape 96105CR should be kept in the original packaging materials and stored at temperatures ≤ 2°C. The product should be allowed to warm to room temperature for approximately 4 hours prior to use to prevent moisture condensation on the film. No changes in adhesive performance has been observed with long-term cold storage.
The following graph demonstrates how liner release will increase over a 6-month period without cold storage:



Certificate of Analysis (COA)

The 3M Certificate of Analysis (COA) for this product is established when the product is commercially available from 3M. The commercially available product will have a COA specification established. The COA contains the 3M specifications and test methods for the products performance limits that the product will be supplied against. The 3M product is supplied to 3M COA test specifications and the COA test methods. Contact your local 3M representative for this product's COA.

Precautionary Information

Final product specifications and testing methods will be outlined in the products Certificate of Analysis (COA) that is shipped with the commercialized product.

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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