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 →

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™ Destructible Vinyl Label Material 7930T

Additional Info

Product Description

3M™ Destructible Vinyl Label Materials 7930T is a consistent, smooth, topcoated film designed to exhibit immediate destructibility on many surfaces with low shrinkage vinyl and high dimensional stability. This material utilizes 3M™ High Holding Acrylic Adhesive 350, it offers chemical resistance and holding strength even at high temperatures.

Product Features

• Low shrinkage vinyl material that produces dimensionally stable labels without adhesive ooze or dirty edges. Variable information can be added by the end-user as the material is thermal transfer printable.
• 3M™ Destructible Vinyl Label Material 7930T provides easy sheet processing and is designed for layflat. The backside of the liner is not printable.
• 3M™ Destructible Vinyl Label Material 7930T UL recognized for indoor and outdoor rating under file MH16411. CSA Accepted under file 099316.

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
Adhesive Type	Acrylic
Adhesive Coat Weight	1.08 — 1.62 g/in²
Facestock	White Cast Vinyl Topcoated
Destruct Pattern	Face tear

Attribute Name	Value
Adhesive Thickness	0.02 mm (0.8 mil)
Facestock Thickness	0.051 mm (2 mil)
Liner	90# Polycoated bleached kraft sheet polyethylene coated on two sides
Liner Thickness	0.17 mm (6.7 mil)

Attribute Name	Value
Convertability	In order to capture the superior performance properties of 3M™ High Holding Acrylic Adhesive 350, thicker calipers are utilized for LSE or textured substrates. Its higher caliper, while desirable for the end use applications, may require extra care during processing. Please refer to the die cutting/converting section of this data page or the “Guide to Converting and Handling Label Products” technical bulletin for additional information.

Typical Performance Characteristics

Attribute Name	Value
Minimum Application Temperature	10 °C (50 °F)
Long Term Temperature Resistance	60 °C (140 °F) [1]
Minimum Long Term Temperature Resistance	-28 °C (-20 °F) [1]

[1] Long Term (day, weeks)

Test Method: TLMI

Attribute Name	Value
Loop Tack	Label material Destructs N/cm [1]
Release Range	14 [2]
Shear Adhesion	Label material Destructs h [3]

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

[2] 180° removal, 90 in/min

[3] 0.25 in² x 500g

Attribute Name	Value
Note	Calipers are nominal values

Typical Environmental Characteristics

Environmental Resistance

Labels were applied to stainless steel and dwelled 24 hours at room temperature before conditioning. Results were considered acceptable if no significant loss of adhesion occurred and label stock destructed when peeled from the surface.Chemical Resistance: Bond is secure when exposed to the following:Auto Oil: 72 hours at 120°F (49°C). Weak Alkali: 4 hours at room temperature. Weak Acid: 4 hours at room temperature. NaCL Solution: 72 hours at room temperature.Gasoline & MEK: Not recommended for use with MEK (methyl ethyl ketone) or prolonged immersion in gasoline. Whenever exposure to specific solvents is an important consideration, testing is recommended to assure adequate performance.Water Resistance: Withstands exposure to water at room temperature for 100 hours.Humidity Resistance: Withstands exposure to 90°F (32°C) and 90% RH for 168 hours.

Printing

This destructive vinyl label stock may be printable with some inks, but prime testing by the customer is critical to determine if product meets all customer requirements including print receptivity.

Converting

Die-cutting: Due to the fragile nature of the facestock, special handling (wider label matrix and wider edge trim to aid matrix stripping) should be considered when designing and processing fragile labels. For specific tips, see the IATD Technical Bulletin “Die-cutting Fragile Label Stocks.”

Dispensing: The combination of the fragile facestock and aggressive adhesive may present some difficulties in automatic dispensing. Testing with the intended application equipment and actual product samples are recommended before use.

Handling/Application Information

Application Examples

• Safety warning labels
• Licensing labels and tags
• Warranty seals
• Calibration seals
• Package seals
• Asset labels
• Tamper evident labels

Application Techniques

Determining Suitability: The tamper-indicating mechanism (i.e. the facestock destruction) depends upon adequate adhesion of the label to the substrate. A sufficient bond may not develop on all surfaces due to low surface energy (e.g. PTFE), contaminated or textured surfaces. Therefore, it is important to determine the suitability of the product in the intended application by carefully pre-testing.Dispensing: Care should be taken not to disturb or knick the facestock when manually removing the label from the liner. Slowly remove the liner from the label at a 90° angle.Surface Preparation:Assume all surfaces to which these label materials will be applied are contaminated – metals may be oily or dusty, plastics may be coated with mold release agents, dirt, etc. Any surface contaminant will adversely affect adhesion and the ability to destruct: therefore, contaminants must be removed prior to application by wiping with a solvent such as isopropyl alcohol. Consult the manufacturer's Material Safety Data Sheet for proper handling and storage of solvents.Application Pressure:Application, temperature, pressure, and dwell time are all important variables to product adequate adhesion and assure the label fractures when removal or tampering is attempted. For best results, the label should be applied when all materials are over 50°F (10°C). Higher initial bonds can be achieved through increased application pressure (firm hand or squeegee pressure should be sufficient). The bond will increase in time, depending on the substrate. Metals and high surface energy materials will develop bonds faster than low surface energy materials.Minimum Dwell Time:For best results, wait 24 hours (at room temperature) before subjecting to harsh environments.Note: Our tamper-indicating product line is designed to indicate tampering by destructing when an attempt is made to remove the label. Since no tamper indicating feature is 100% tamper proof, careful consideration must be taken when designing labels or seals. When the consequences of tampering could be severe, such as injury or loss of human life or significant monetary loss, these products are not recommended as the sole means of package or product tamper indication. In these instances, additional methods of combination with the labels should be considered so that the tamper-indicating features are commensurate with the requirements of the application.

Industry Specifications

UL recognized for indoor and outdoor rating (File MH16411)
CSA Accepted under file 099316

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
Packaging	Finished labels should be stored in plastic bags.

Information

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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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