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™ Durable Label Material 7132

Product Description

3M™ Durable Label Material 7132 provides thermal stability and moisture resistance. These label materials utilize 3M™ High Precision Acrylic Adhesive 320, which provides firmness and strength on a variety of surfaces including high surface energy (HSE) and low surface energy (LSE) plastics.

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	320 Acrylic
Facestock	White Polyester Gloss TC
Adhesive Coat Weight	1.21 — 1.49 g/100 in²

Attribute Name	Value
Adhesive Thickness	0.02 mm (0.8 mil)
Facestock Thickness	0.05 mm (2 mil)
Liner	55# Densified Kraft
Liner Thickness	0.081 mm (3.2 mil)

Attribute Name	Value
Convertability	The high tenacity of 3M™ Specialty Acrylic Adhesive 320 is specifically designed to be compatible with flexographic and thermal transfer technologies. Its aggressive tack properties, while desirable for the end use application, 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

180° Peel Adhesion

Temperature: 23 °C (73 °F)
Test Method: ASTM D3330

Dwell Time	Substrate	Value
10 min	Polycarbonate (PC)	6.5 N/cm (59.1 oz/in) [1]
10 min	Polypropylene (PP)	3.1 N/cm (28.5 oz/in) [1]
10 min	Stainless Steel	5.1 N/cm (46.2 oz/in) [1]

Dwell Time	Substrate	Value
72 h	High Density Polyethylene (HDPE)	3.6 N/cm (32.5 oz/in) [1]
72 h	Polycarbonate (PC)	7.2 N/cm (65.6 oz/in) [1]
72 h	Polypropylene (PP)	2.9 N/cm (26.3 oz/in) [1]

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

Attribute Name	Value
Minimum Application Temperature	10 °C (50 °F)
Long Term Temperature Resistance	121 °C (250 °F) [1]
Minimum Long Term Temperature Resistance	-40 °C (-40 °F) [1]

[1] Long Term (day, weeks)

Attribute Name	Value
Note	Calipers are nominal values

Typical Environmental Performance

180° Peel Adhesion

Temperature: 32 °C (90 °F)
Dwell Time: 24 h
Test Method: ASTM D3330
Environmental Condition: 90%RH

Substrate	Value
Polycarbonate (PC)	6.3 N/cm (57.7 oz/in) [1]
Polypropylene (PP)	5.1 N/cm (46.5 oz/in) [1]
High Density Polyethylene (HDPE)	3.3 N/cm (30.5 oz/in) [1]
Stainless Steel	7 N/cm (64 oz/in) [1]

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

Typical Environmental Characteristics

Temperature Resistance

When applied to stainless steel. Other substrates should be tested per application.300°F (149°C) for 24 hours: No significant visual change -40°F (-40°C) for 10 days: no significant visual change

Converting

Rotary die cutting is recommended. Fanfolding labels is not recommended. Small labels should be evaluated carefully. Winding tensions should be kept at a minimum to prevent the adhesive from oozing.

Handling/Application Information

Application Techniques

• For maximum bond strength, surface should be thoroughly cleaned and dried. A typical cleaning solvent is heptane or isopropyl alcohol. Note: Follow the manufacturer's precautions and directions for use when using solvents.
• For best bonding conditions, application surface should be at room temperature or higher. Low temperature surfaces, below 40°F (5°C), cause the adhesive to become firm and will not allow the adhesive to flow and develop intimate contact with the substrate.
• Higher initial bonds can be achieved through increased rubdown pressure. Use a rubber roller with maximum hand pressure for best results.
*Note: When using solvents, read and follow the manufacturer's precautions and directions for use.

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	To minimize the effects of humidity, the product should be stored in plastic bags. Low density polyethylene (2 - 4 mils) can help prevent humidity penetration and stabilize the moisture content.

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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