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 →

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Technical Data Sheet

3M™ Laserprintable Polyester Label Material
I01Y3

Product Description

3M™ Polyester Label Material I01Y3 is a matte white printable polyester labelstock designed for laser toner. This product utilizes 3M™ Adhesive 250E, offering adhesive strength on surfaces including high surface energy (HSE) plastics and metals.

I01Y3 LPRNT MW PET50-250E/21-90LK

Product Features

• The facestock is topcoated with a matt print receptive coating, designed to accept images using laser toner. The topcoat also provides ink anchorage for traditional forms of press printing.
• 90LK is a 90 g/m² kraft liner with lay-flat characteristics which can be back printed.
• UL and cUL Recognized (File MH18072).

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
Facestock	Matte White Polyester
Adhesive Type	#250E Acrylic
Liner	Kraft Liner

Attribute Name	Value
Facestock Thickness	0,050 mm (2 mil)
Adhesive Thickness	0,020 mm (0.8 mil)
Liner Thickness	0,094 mm (90 g/m²)

Typical Performance Characteristics

180° Peel Adhesion

Test Method: FINAT FTM1

Dwell Time	Temperature	Environmental Condition	Substrate	Value
20 min	23 °C (73 °F)		Stainless Steel	16,2 N/25mm [1]
20 min	23 °C (73 °F)		Polycarbonate (PC)	15,3 N/25mm [1]
20 min	23 °C (73 °F)		ABS	16,1 N/25mm [1]
20 min	23 °C (73 °F)		Polypropylene (PP)	12,0 N/25mm [1]
72 h	23 °C (73 °F)		Stainless Steel	15,2 N/25mm [1]
72 h	23 °C (73 °F)		Polycarbonate (PC)	14,5 N/25mm [1]
72 h	23 °C (73 °F)		ABS	15,1 N/25mm [1]
72 h	23 °C (73 °F)		Polypropylene (PP)	13,5 N/25mm [1]
72 h	70 °C (158 °F)		Stainless Steel	16,8 N/25mm [1]

Dwell Time	Temperature	Environmental Condition	Substrate	Value
72 h	70 °C (158 °F)		Polycarbonate (PC)	16,3 N/25mm [1]
72 h	70 °C (158 °F)		ABS	15,4 N/25mm [1]
72 h	70 °C (158 °F)		Polypropylene (PP)	12,5 N/25mm [1]
72 h	-40 °C (-40 °F)		Stainless Steel	14,9 N/25mm [1]
72 h	-40 °C (-40 °F)		Polycarbonate (PC)	16,2 N/25mm [1]
72 h	-40 °C (-40 °F)		ABS	15,8 N/25mm [1]
72 h	-40 °C (-40 °F)		Polypropylene (PP)	13,7 N/25mm [1]
72 h	40 °C (104 °F)	95 %RH	Stainless Steel	19,2 N/25mm [1]
72 h	40 °C (104 °F)	95 %RH	Polycarbonate (PC)	16,2 N/25mm [1]
72 h	40 °C (104 °F)	95 %RH	ABS	17,0 N/25mm [1]
72 h	40 °C (104 °F)	95 %RH	Polypropylene (PP)	17,6 N/25mm [1]

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

Attribute Name	Test Method	Value
180° Liner Release	FINAT FTM3	13,9 cN/50mm [1]

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

Attribute Name	Value
Long Term Temperature Resistance	150 °C (300 °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 Characteristics

Temperature Resistance

Visual assessment: The samples were tested on stainless steel panels at -40 ˚C and 150 ˚C for 96 hours to assess the temperature range of the product.

150 °C (300 °F) for 96 hours: material turns yellow after exposure

-40 °C (-40 °F) for 96 hours: no significant visual change

Other substrates should be tested per application.

Processing

Printing:
Facestock is topcoated for ink receptivity and is designed for laser toner printing. It is printable by all standard roll processing methods including flexography, hot stamp, letterpress, and screen printing. The compatibility of ink systems and printing methods should be verified by testing in the actual process

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

Packaging:
Finished labels should be stored in plastic bags.

Special Considerations

For maximum bond strength, the surface should be clean and dry. Typical cleaning solvent is isopropyl alcohol.** **NOTE: When using solvents, read and follow the manufacturer's precautions and directions for use.

For best bonding conditions, application surface should be at room temperature or higher. Low temperature surfaces, below 5 °C (41 °F), can cause the adhesive to become so firm that it will not develop maximum contact with the substrate. Higher initial bonds can be achieved through increased rubdown pressure.

Handling/Application Information

Application Examples

- Barcode labels and rating plates
- Property identification and asset labeling
- Warning, instruction and service labels for durable goods

Industry Specifications

UL Recognized, File PGJI2.MH18072 (Transcan Premium PT50 Matt White/HP250), Printing Materials - Component, ANSI/UL 969

Storage and Shelf Life

Finished labels should be stored in plastic bags.

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.

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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Product Family

This product is available with a range of facestock thicknesses, colors, topcoat, and liner options. For a detailed selection, please refer to the Solution Selector on the 3M website.