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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English-US

Last Revision Date: February, 2025

Technical Data Sheet

3M™ Computer-Imprintable Polyester Label Material 7883E

Product Description

3M™ Polyester Label Material 7883E is a 75 µm, silver polyester labelstock with a matt print receptive topcoat and designed for general industrial applications. This product utilizes 3M™ Adhesive 300E, a modified acrylic adhesive which provides strength on high surface energy (HSE) plastics and low surface energy (LSE) plastics.

7883E 3M TT5W MS PET75-300E-90WG

Product Features

• TT5 topcoat provides a smooth matt surface, enabling thermal transfer printing. The topcoat also provides ink anchorage for traditional forms of press printing.
• 300E is a modified adhesive, which provides adhesion to surfaces including high surface energy (HSE) and low surface energy (LSE).
• 90 g/m² densified glassine liner assures consistent die cutting.
• UL and cUL recognized (File Number 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	Matt Silver Polyester
Adhesive Type	#300E Acrylic
Liner	White Densified Glassine

Attribute Name	Value
Facestock Thickness	0,075 mm (3 mil)
Adhesive Thickness	0,020 mm (0.8 mil)
Liner Thickness	0,077 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	18,2 N/25mm [1]
20 min	23 °C (73 °F)		Polycarbonate (PC)	17,7 N/25mm [1]
20 min	23 °C (73 °F)		ABS	14,3 N/25mm [1]
20 min	23 °C (73 °F)		High Density Polyethylene (HDPE)	8,2 N/25mm [1]
72 h	23 °C (73 °F)		Stainless Steel	24,2 N/25mm [1]
72 h	23 °C (73 °F)		Polycarbonate (PC)	18,0 N/25mm [1]

Dwell Time	Temperature	Environmental Condition	Substrate	Value
72 h	23 °C (73 °F)		ABS	12,6 N/25mm [1]
72 h	23 °C (73 °F)		High Density Polyethylene (HDPE)	9,8 N/25mm [1]
72 h	70 °C (158 °F)		Stainless Steel	19,8 N/25mm [1]
72 h	70 °C (158 °F)		Polycarbonate (PC)	19,7 N/25mm [1]
72 h	70 °C (158 °F)		ABS	16,6 N/25mm [1]
72 h	70 °C (158 °F)		High Density Polyethylene (HDPE)	9,9 N/25mm [1]
72 h	-40 °C (-40 °F)		Stainless Steel	13,0 N/25mm [1]
72 h	-40 °C (-40 °F)		Polycarbonate (PC)	13,6 N/25mm [1]
72 h	-40 °C (-40 °F)		ABS	13,8 N/25mm [1]
72 h	-40 °C (-40 °F)		High Density Polyethylene (HDPE)	10,4 N/25mm [1]
72 h	40 °C (104 °F)	95 %RH	Stainless Steel	20,5 N/25mm [1]
72 h	40 °C (104 °F)	95 %RH	Polycarbonate (PC)	9,7 N/25mm [1]
72 h	40 °C (104 °F)	95 %RH	ABS	13,9 N/25mm [1]
72 h	40 °C (104 °F)	95 %RH	High Density Polyethylene (HDPE)	10,8 N/25mm [1]

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

Attribute Name	Test Method	Value
180° Liner Release	FINAT FTM3	8,7 cN/50mm [1]

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

Attribute Name	Value
Minimum Application Temperature	10 °C (50 °F)
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: no significant visual change

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

Other substrates should be tested per application.

Processing

Printing:
Facestock is treated for ink receptivity. Thermal transfer printing with resin ribbons is recommended for optimum durability. The topcoat provides improved ink anchorage for standard roll-processing methods including flexography, letterpress and screen-printing.

Die Cutting:
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 solvents are heptane and 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 10°C (50 °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, 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 18 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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