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™ UV Resistant Polyester Overlaminating Film 7733FL

Additional Info

Regulatory Info/SDS

Product Description

3M™ UV Resistant Polyester Overlaminating Film 7733FL utilizes a clear polyester film that is recommended for optimum durability and outdoor UV exposure and print fade protection. 3M™ Adhesive 400 offers low temperature performance and long term aging for resistance to yellowing in outdoor applications.

Product Features

• Provides abrasion, humidity and solvent resistance materials that offer high-bond strength to resist edge lifting and UV exposure resistant for extended periods of time.
• Film liner offers graphic appearance for metallized or darker colors. The polyester liner is recommended for clean room applications.
• UL recognized (File MH11410) for overlamination of both polyester and vinyl labelstocks.

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	#400 Acrylic
Facestock	Clear UV Polyester
Adhesive Coat Weight	1.05 — 1.65 g/100 in²

Attribute Name	Value
Adhesive Thickness	0.02 mm (0.8 mil)
Facestock Thickness	0.025 mm (1 mil)
Liner	Clear Polyester
Liner Thickness	0.038 mm (1.5 mil)

Attribute Name	Value
*Note	For all clear film face and clear film liner material combinations, a slight appearance variation may be observed along the roll edge. This effect is due to the facestock's haze tolerance and is further magnified by the clear film liner and multiple wraps of clear films. This variation is not associated with a color shift of the facestock and does NOT negatively affect the labelstock's clarity in the final overlamination application.

Attribute Name	Value
Convertability	Low temperature, high clarity 3M™ Acrylic Adhesive 400 is specifically designed to be compatible with a variety of print methods and overlaminate applications. When converting labels for thermal transfer applications, care should be taken with regard to proper roll tensions, handling and storage conditions. 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	Polyester (PET)	2.6 N/cm (24 oz/in) [1]
10 min	Stainless Steel	2.6 N/cm (24 oz/in) [1]
72 h	Polyester (PET)	3.7 N/cm (34 oz/in) [1]
72 h	Stainless Steel	4.4 N/cm (40 oz/in) [1]

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

Temperature: 23 °C (73 °F)

Attribute Name	Test Method	Value
Liner Release	TLMI	1 — 10.8 g/cm (5 — 55 g/2 in) [1]

[1] 180° removal, 300 in/min

Attribute Name	Value
Minimum Application Temperature	-12 °C (10 °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 Characteristics

Chemical and Environmental Exposure

The properties defined are based on four-hour immersions at room temperature (72°F/22°C) unless otherwise noted. Samples were applied to stainless steel 24 hours prior to immersions and were evaluated one hour after removal.

Chemical Appearance
Isopropyl Alcohol No Change
Detergent No Change
Engine Oil at 250°F (121°C) No Change
Water for 48 hours Slight Fogging

Humidity Resistance

24 hours at 100°F (38°C) at 100% relative humidity: No Change

Temperature Resistance

300°F (149°C) for 24 hours: Slight Yellowing
-40°F (-40°C) for 24 hours: No Change

Outdoor Weatherability

Minimum outdoor life is 3 years when used with 3M polyester label stocks. Performance may vary depending on the ink or other wear from the environment such as chemicals or contaminants, abrasion or other factors. It is strongly suggested that the label be tested in the application to ensure best performance. No claim can be made regarding outdoor life of inks used in the manufacture of the label and it's strongly recommended that the ink supplier be contacted for suggestions.

Printing

Facestocks are not print treated.

Converting

Rotary or flat-bed after lamination.

Handling/Application Information

Application Examples

• Protective overlaminate for label and nameplate graphics can be used on appliances, industrial equipment, tools etc.
• Graphics requiring a high-gloss appearance.

Application Techniques

For maximum bond strength, the surface should be clean and dry. Typical cleaning solvents are heptane and isopropyl alcohol.*

For best bonding conditions, application surface should be at room temperature or slightly higher. Low temperature surfaces, below 50°F (10°C) can cause the adhesive to become firm and will not allow the adhesive to flow and develop intimate contact with the substrate.

Higher initial bonds are achieved through increased rub down pressure. Use maximum laminating pressure for best results.

*Note: When using solvents, read and follow the manufacturer's precautions and directions for use.

Industry Specifications

UL Recognized (File MH11410)

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 12 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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