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.

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문서 라이브러리 바로가기 →
시공사례 바로가기 →
문의하기 →

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# Technical Data Sheet

3M™ Versatile Print Label Material 7331V

Product Details

## Product Description

3M™ Versatile Print Polyester Label Material 7331V is a gloss polyester label material. The topcoat is formulated to print with multiple technologies including UV inkjet, water flexo, UV flexo, thermal transfer, and screen printing. This label product utilizes 3M™ High Performance Acrylic Adhesive 300 offering bonding strength LSE plastics.

**Appliaction Examples**
• Barcode labels and rating plates
• Property identification and asset labeling
• Warning, instruction, and service labels for durable goods
• Nameplates and durable goods

## Product Features

• Adhesive can bond to high surface energy (HSE) and low surface energy (LSE) plastics.
• 55# densified kraft liner assures consistent die cutting.
• Facestock is topcoated for high quality and durable printing with multiple print technologies including UV inkjet, water and UV flexo, thermal transfer, and screen.
• UL Recognized file MH16411. See the UL listing for details.

## 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 | 300 Acrylic |
| Facestock | White Polyester Versatile TC |

| Attribute Name | Value |
|---|---|
| Adhesive Thickness | 0.02 mm (0.8 mil) |
| Facestock Thickness | 0.051 mm (2 mil) |
| Liner | 55# Densified Kraft |
| Liner Thickness | 0.081 mm (3.2 mil) |

| Attribute Name | Value |
|---|---|
| Convertability | 3M™ High Strength Acrylic Adhesive 300 is designed to be compatible with a variety of print methods and end use applications. Due to the quick flowing aggressive nature of this adhesive, care should be taken when converting labels for thermal transfer applications. 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)
Dwell Time: 20 min
Test Method: ASTM D3330

| Substrate | Value |
|---|---|
| Stainless Steel | 6.5 N/cm (59 oz/in) [1] |
| ABS | 4.7 N/cm (43 oz/in) [1] |
| Polycarbonate (PC) | 6.5 N/cm (59 oz/in) [1] |
| Polypropylene (PP) | 6.1 N/cm (56 oz/in) [1] |

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

### 180° Peel Adhesion

Temperature: 23 °C (73 °F)
Dwell Time: 72 h
Test Method: ASTM D3330

| Substrate | Value |
|---|---|
| Stainless Steel | 7.7 N/cm (70 oz/in) [1] |
| ABS | 7.2 N/cm (66 oz/in) [1] |
| Polycarbonate (PC) | 7.8 N/cm (71 oz/in) [1] |
| Polypropylene (PP) | 6.7 N/cm (61 oz/in) [1] |

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

| Attribute Name | Test Method | Value |
|---|---|---|
| 180° Liner Release | FINAT FTM3 | 0.119 N/25.4mm (25.2 g/2 in) [1] |

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

| Attribute Name | Value |
|---|---|
| Note | Calipers are nominal values |

## Typical Environmental Performance

### 180° Peel Adhesion

Temperature: 37 °C (100 °F)
Dwell Time: 72 h
Test Method: ASTM D3330
Environmental Condition: 100 %RH

| Substrate | Value |
|---|---|
| Stainless Steel | 6.2 N/cm (57 oz/in) [1] |
| ABS | 3.3 N/cm (30 oz/in) [1] |
| Polycarbonate (PC) | 3.5 N/cm (32 oz/in) [1] |
| Polypropylene (PP) | 6.7 N/cm (61 oz/in) [1] |

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

## Printing

Facestock is topcoated for improved ink receptivity and is designed for UV Inkjet, water flexo, UV flexo,screen, and thermal transfer printing.

## Converting

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.

## Handling/Application Information

### 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 higher. Low temperature surfaces, below 50°F (10°C), 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.

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

## Industry Specifications

UL Recognized, File PGJI2.MH16411, Printing Materials - Component, ANSI/UL 969

## 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.

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