SNAPSHOOT
ENGINEERED FOR A SAFER TOMORROW

# 현장을 이해하고, 필요한 솔루션을 연결합니다.

산업안전 · 추락방지 시스템
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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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English-US

**Last Revision Date:** September, 2024

**Supersedes:** June, 2024

# Technical Data Sheet

3M™ Polypropylene Label Material 7779

Product Details

Regulatory Info/SDS

## Product Description

3M™ Polypropylene Label Material 7779 with 3M™ Adhesive 350 can permanently bond to high surface energy (HSE) and low surface energy (LSE) plastics, textured and contoured surfaces, powder coatings, and slightly oily metals.

## Product Features

- Corona-treated facestock for improved ink receptivity.
- Good film stiffness allows easy die cutting and dispensing for automatic applications.
- Bright white and high opacity facestock.
- Excellent chemical resistance and holding strength even at high temperatures.
- 55# densified kraft liner assures consistent die cutting.
- Indoor UL and CSA approved. See UL (File MH16411) and CSA (File 99316) listings 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 | #350 Acrylic |
| Facestock | White Polypropylene T2S |

| Attribute Name | Value |
|---|---|
| Adhesive Thickness | 0.028 mm (1.1 mil) |
| Facestock Thickness | 0.066 mm (2.6 mil) |
| Liner | 55# Densified Kraft |
| Liner Thickness | 0.081 mm (3.2 mil) |

## Typical Performance Characteristics

### 180° Peel Adhesion

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

| Substrate | Value |
|---|---|
| Polycarbonate (PC) | 7.6 N/cm (69 oz/in) [1] |
| Polypropylene (PP) | 4.5 N/cm (41 oz/in) [1] |
| Stainless Steel | 6 N/cm (55 oz/in) [1] |

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

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

## Typical Environmental Characteristics

### Humidity Resistance

24 hours at 90°F (32°C) and 90% relative humidity: No significant change in appearance or adhesion

### Temperature Resistance

300°F (149°C) for 24 hours: Slight discoloration; 4% shrinkage MD, 10% shrinkage CD
250°F (121°C) for 24 hours: No significant visual change
220°F (104°C) for 24 hours: No significant visual change
-40°F (-40°C) for 10 days: No significant visual change

## Processing

**Printing:**
Facestock is corona treated for ink receptivity. While not specifically designed for thermal transfer printing, acceptable performance is found for a number of applications. As always, the customer should test to confirm acceptability for their application.

Facestock is printable by all standard roll processing methods including flexography, hot stamp, letterpress, and screen printing. Refer to the Graphic Ink Selection Guide
or call 3M Customer Service at 1-800-223-7427 for additional information.

The following thermal transfer ink ribbons are suggested for possible use.
**Armor:**AXR-7+; AXR-600
**Dai Nippon:**R-300; R-316; M-230
**ICS:**4099-1
**Iimak:**SP-330; PrimeMark
**Intermec:**Premium
**Mid City Columbia:**GGL-80; GGL-80HE
**Ricoh:**B110A, B110C
**Sony:**TR4070, TR5070
**Zebra:**4065; 5094

**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.

## Handling/Application Information

### Application Examples

- Light duty durable applications.
- Barcode labels and rating plates.
- Property identification and asset labeling.
- Warning, instruction, and service labels for durable goods.
- Nameplates and durable goods.

### 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 MH16411)
CSA Accepted (File 99316)

## 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.

## 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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