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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시공사례 바로가기 →
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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™ Sheet Label Material 7905

Additional Info

Regulatory Info/SDS

## Product Description

3M™ Sheet Label Materials are durable, high performance materials that offer excellent thermal stability, moisture resistance and chemical resistance. These materials utilize 3M™ Adhesive 350, which is designed to permanently bond to high and low surface energy plastics, textured and contoured surfaces, powder coatings, and slightly oily metals.

## Product Features

• Facestock for 3M™ Sheet Label Material 7905 is topcoated for improved ink anchorage. Variable information can be added by the end-user as the material is thermal transfer printable.
• Liner for 3M™ Sheet Label Material 7905 provides easy sheet processing and is designed for layflat. The backside of the liner is not printable.
• 3M™ Sheet Label Material 7905 is UL recognized (File MH11410) and CSA accepted (File 99316). See the UL and CSA 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 | Clear Polyester Gloss TC |
| Adhesive Coat Weight | 2.70 — 3.24 g/100 in² |

| Attribute Name | Value |
|---|---|
| Adhesive Thickness | 0.046 mm (1.8 mil) |
| Facestock Thickness | 0.051 mm (2 mil) |
| Liner | 90# Polyctd. bleached kraft sheet bleached kraft sheet sides |
| Liner Thickness | 0.17 mm (6.7 mil) |

| Attribute Name | Value |
|---|---|
| Convertability | In order to capture the superior performance properties of 3M™ High Holding Acrylic Adhesive 350, thicker calipers are utilized for LSE or textured substrates. Its higher caliper, while desirable for the end use applications, may require extra care during processing. 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

Temperature: 23 °C (73 °F)

| Attribute Name | Test Method | Value |
|---|---|---|
| Liner Release | TLMI | 1 — 13.7 g/cm (5 — 70 g/2 in) [1] |

[1] 180° removal, 300 in/min

| Attribute Name | Value |
|---|---|
| Minimum Application Temperature | 10 °C (50 °F) |
| Long Term Temperature Resistance | 149 °C (302 °F) [1] |
| Minimum Long Term Temperature Resistance | -40 °C (-40 °F) [1] |

[1] Long Term (day, weeks)

### 180° Peel Adhesion

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

| Substrate | Value |
|---|---|
| Polycarbonate (PC) | 10.3 N/cm (94 oz/in) [1] |
| Polypropylene (PP) | 9.1 N/cm (83 oz/in) [1] |
| Stainless Steel | 10.5 N/cm (96 oz/in) [1] |

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

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

## Typical Environmental Characteristics

### Humidity Resistance

24 hours at 100°F (38°C) and 100% relative humidity: no significant change in appearance or adhesion

### Temperature Resistance

300°F (149°C) for 24 hours: no significant visual change
-40°F (-40°C) for 10 days: no significant visual change

## Printing

Material has a topcoating which is receptive to many inks including UV and conventional ink systems. The converter should verify that their ink systems are compatible with the topcoating on the polyester film by testing beforehand. The topcoating is also receptive to other forms of printing including hot stamping and dot matrix printing. The converter should verify that the method of printing is compatible with the topcoating by testing beforehand.

## Converting

Die cut with steel rule or flatbed dies. The 90# lay-flat liner also allows kiss cutting and back splitting. The converter can cut through the polyester facestock without cutting through the liner. Sheet label materials are not recommended for rotary die cutting and stripping operations.

## Handling/Application Information

### Application Examples

• Barcode labels and rating plates.
• Property identification and asset labeling.
• Warning, instruction, and service labels for durable goods.
• Nameplates for 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 MH11410)
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.

## 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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