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™ Durable Tire Label Material PG0300

Product Description

3M™ Durable Tire Label Material PG0300 utilizes a gloss polyester label stock that offers durability and moisture resistance. 3M™ Adhesive G1120 is a rubber-based aggressive adhesive for use in tire label applications.

Product Features

Specially formulated for improved adhesion to heavily micro-vented and mold release treated tires.

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	G1120 Tire 30 PAT
Facestock	Polyester Gloss TC
Adhesive Coat Weight	3 g/100 in²

Attribute Name	Value
Facestock Thickness	0.038 mm (1.5 mil)
Liner	50# SC Remoist – 20 1.4

Attribute Name	Value
Convertability	The high tack and severe flow properties make 3M™ Tire Tread Adhesive G1120 an choice for labeling tire and other rubber surfaces. However, this adhesive is prone to adhesive ooze and processing issues. Please contact your local 3M Sales Representative for information on specific handling of rubber adhesives.

Construction Tested

Adhesion properties determined per TLMI Method using 1.5 mil polyester with 1.5 mils of adhesive on a stainless steel panel.

Typical Performance Characteristics

Test Method: TLMI

Attribute Name	Temperature	Substrate	Value
180° Peel Adhesion	23 °C (73 °F)	Stainless Steel	5.2 N/cm (48 oz/in) [1]
Liner Release	23 °C (73 °F)		3 — 29.5 g/cm (15 — 150 g/2 in) [2]
Shear Adhesion			30 min [3]

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

[2] 180° removal, 300 in/min

[3] 1.0 in² x 1000g

Attribute Name	Value
Application Temperature	5 — 49 °C (40 — 120 °F)
Long Term Temperature Resistance	60 °C (140 °F) [1]
Minimum Long Term Temperature Resistance	-29 °C (-20 °F) [1]

[1] Long Term (day, weeks)

Attribute Name	Value
Note	Calipers are nominal values

Typical Environmental Characteristics

Environmental Resistance

Do not use this adhesive in applications where the label will be exposed to outdoor environments or water.

Printing

The preferred print method for all tire materials is flexographic printing. If utilizing thermal transfer, be sure that the rolls have been properly stored, butt cut, pattern coated, and loosely wound to reduce adhesive ooze through the printer.

Converting

• Use Talc powder or cornstarch on the edges of the rolls if they become too tacky.
• Pattern coating of the adhesive is available and recommended for improved processability.
• Die cutting/matrix stripping of this material could lead to problems with excessive ooze and is not recommended. The preferred method of converting is butt cutting. No matter the cutting method used, be sure to utilize loose winding during both press and rewind operations.

Handling/Application Information

Application Examples

• Tire tread label applications
• Interior labels adhering to brick or cement surfaces

Application Techniques

• The liner release has not been optimized for auto applied or auto dispensed applications. This material can only be hand applied.
• For maximum bond strength, surface should be clean and dry. A typical cleaning solvent is heptane or isopropyl alcohol.
Note: Consult the manufacturer's MSDS for proper handling and storage of solvents. For best conditions, application surface should be at room temperature or higher. Low temperature surfaces (below 10°F [-12°C]) can cause the adhesive to become so firm that it will not develop maximum contact with the substrate. Higher initial bonds are achieved through increased rub down pressure.

Storage and Shelf Life

• Important – Do not store the material banded. Break the steel banking on the pallet upon receipt.
• Do not store the material double stacked.
• Store in a cool area if possible during summer months.
• It is best not to ship over a weekend in summer months. Try to specify a ship date that will get the material directly to you during the week.
• Rolls with excessive edge bleed are most likely to be found on the top layer directly under the wooden pallet top. These rolls can be salvaged by rewinding on a table top rewinder and then using Talc powder on the edges. This should be done as soon as possible.
• Recommended storage conditions are 72°F (22°C) and 50% relative humidity.
To obtain best performance, use this product within 6 months from date of manufacture.

Available Sizes

Attribute Name	Value
Packaging	All finished rolls must be loosely wound, properly stored, not tightly banded and shipped expeditiously to avoid any ooze issues between converting and the end use of the material.

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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