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

스냅슛 (SNAPSHOOT)

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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

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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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Technical Data Sheet

3M™ PTFE Glass Cloth Tape 5451

English-US

Last Revision Date: September, 2024

Supersedes: August, 2024

Product Details

Regulatory Info/SDS

Product Description

Premium performance 3M™ PTFE Glass Cloth Tape 5451 has a brown woven glass cloth backing impregnated with PTFE (polytetrafluoroethylene). This tape provide a slick surface on process machinery and offers an extremely low coefficient of friction which, in combination with a pressure sensitive silicone adhesive, creates a non-stick surface that performs at elevated temperatures.

Product Features

• Very low moisture absorption allows the tape to perform in many humid environments.
• Premium glass cloth reinforced backing provides greater tensile strength and resistance to tears and punctures than typical PTFE film backed tapes.
• Excellent chemical resistance enables tape to withstand challenging applications.

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	Test Method	Value
Color		Brown
Adhesive Type		Silicone
Backing		Woven glass cloth impregnated with PTFE (polytetrafluoroethylene)
Backing Thickness	ASTM D3652	0.08 mm (3.2 mil)
Total Tape Thickness	ASTM D3652	0.14 mm (5.6 mil)

Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	23 °C (73 °F)	4.1 N/cm (38 oz/in) [1]
Tensile Strength	ASTM D3759		176 N/cm (100 lb/in)
Long Term Temperature Resistance			260 °C (500 °F) [2]
Minimum Long Term Temperature Resistance			-73 °C (-100 °F) [2]

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

[2] Long Term (day, weeks)

Handling/Application Information

Application Examples

• Easy-release, low friction surface on heat sealing and packaging equipment.
• Mold release surface in composite bonding.
• Lining conveying chutes, troughs and ducts.
• Covering rollers, drums, turnbars and formers on stitchers, binders and other process machinery.
• High temperature bundling.
• Barrier for the separation of dissimilar parts.

CAUTION: When PTFE film tape is exposed to temperatures above 600°F (316°C), small quantities of hazardous vapors may be released. INHALATION OF THESE VAPORS MAY BE HARMFUL OR MAY CAUSE RESPIRATORY TRACT IRRITATION. Do not heat or expose PTFE film tape to temperatures above 600°F (316°C).

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
Standard Roll Length	32.9 m (36 yd)

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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