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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문서 라이브러리 바로가기 →
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Technical Data Sheet

3M™ Polyester Tape 876

English-US

Last Revision Date: September, 2024

Supersedes: August, 2024

Product Details

Product Description

3M™ Polyester Tape 876 has a polyester film backing with green, rubber-based adhesive. It can be used in high temperature applications including temporary holding, masking, flashbreaker with clean release during Autoclave Processes (hold TC wires, vacuum bagging materials, and tooling). High temperature resistant, non-silicone adhesive makes it ideal for paint masking in liquid or powder coat processes.

Product Features

• Thin, high strength polyester film provides a degree of conformability while meeting low caliper requirements.
• High temperature resistance provides good initial tack and holding strength with clean removability.
• Non-silicone, rubber-based adhesive allows use on many parts where subsequent painting or bonding is necessary.
• High temperature – clean removal from stainless steel, aluminum, and glass after exposure up to 350°F (177°C) for several hours. In shorter cycles, the tape can be expected to provide satisfactory performance in 400°F (204°C) bake cycles.

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		Green
Adhesive Type		Rubber
Backing		Polyester
Backing Thickness	ASTM D3652	0.051 mm (2 mil)
Total Tape Thickness	ASTM D3652	0.078 mm (3.1 mil)

Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	23 °C (73 °F)	3.6 N/cm (33 oz/in) [1]
Elongation at Break	ASTM D3759		128 %
Tensile Strength	ASTM D3759		115.6 N/cm (66 lb/in)

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

Attribute Name	Value
Short Term Temperature Resistance	204 °C (400 °F) [1]
Long Term Temperature Resistance	140 °C (60 °F) [2]
Minimum Long Term Temperature Resistance	16 °C (60 °F) [2]
Temperature Use Range note	withstands autoclave cycles up to 350°F (177°C)

[1] Short Term (minutes, hour)
[2] Long Term (day, weeks)

Handling/Application Information

Application Examples

• Masking parts for high temperature painting and powder coat painting.
• Masking edges of overlap seams in metal bonding process where excess adhesive flows onto tape. Minimizes clean-up on tape removal.
• Holding materials or sealing vacuum bags during autoclave processing.

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 18 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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