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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English-US

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Technical Data Sheet

3M™ Vinyl Tape 4712 (Linered)

Product Details

Regulatory Info/SDS

Product Description

3M™ Vinyl Tape 4712 is a conformable colored (9 colors plus transparent) tape made from vinyl backing with rubber adhesive. It is ideal for many lane and safety markings, color coding, abrasion protection, masking, sealing, splicing and other general purpose applications. 3M vinyl tape 4712 is a white, paper linered version of 3M vinyl tape 471 that may be used for die cutting or large area applications.

Product Features

• Pigmented backings maintain their vivid colors even when exposed to heavy abrasion.
• Can be sold to Commercial Item Description A-A-1689 Type I & II
• Conformability and dead stretch properties are ideal for taping, wrapping or sealing many curved, convex, or irregular surfaces.
• Rubber adhesive provides good adhesion to many surfaces for easier application and excellent holding strength.
• Sharp colors for color coding or marking systems, draw attention and help enhance plant safety.
• Clean removal from many surfaces which helps reduce clean-up and labor costs.
• Abrasion resistant and longer potential application life.
• Good solvent resistance for application protection and longer product life.
• 3M™ Vinyl Tape 4712 can be printed using the thermal printing process.

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		Yellow, white, red, black, brown, green, orange, purple, blue
Adhesive Type		Rubber
Low Leachable Halogen and Sulfur	MIL-STD-2041D(SH)	Passes

Attribute Name	Test Method	Value
Total Tape Thickness	ASTM D3652	0.14 mm (5.2 mil)
Backing Thickness	ASTM D3652	0.1 mm (4.1 mil)
Liner Thickness		0.08 mm (3.2 mil)

Typical Performance Characteristics

Attribute Name	Value
Long Term Temperature Resistance	77 °C (170 °F) [1]
Minimum Long Term Temperature Resistance	4 °C (40 °F) [1]

[1] Long Term (day, weeks)

Test Method: ASTM D3759

Attribute Name	Value
Elongation at Break	130 %
Tensile Strength	24.5 N/cm (14 lb/in)

Temperature: 23 °C (73 °F)

Attribute Name	Test Method	Value
180° Peel Adhesion	ASTM D3330	2.5 N/cm (23 oz/in) [1]

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

Handling/Application Information

Application Examples

• Excellent for many lane and safety marking applications. When used with an applicator like the M-77 dispenser, 3M™ Vinyl Tape 4712 can be quickly applied to define storage and safety areas. The fact that 3M tape 4712 tape is quickly and cleanly removed in most cases makes it a faster, more versatile and less costly option than painting. Using tape for lane marking instead of painting also eliminates the need to ventilate paint solvents from an open area.
• Because it has low leachable halogens and sulfur, 3M™ Vinyl Tapes 4712 can be used in corrosion sensitive applications like the nuclear and stainless steel industries.
• 3M tape 4712 is great for die cuts and large area masking.
• Printed 3M tape 4712 can extend the range of 3M tape 471 for color coding by allowing multiple colors or identification on one tape.
• 3M 4712 stretches to seal canisters and other storage containers that require a tight seal.
• Vivid colors of the tapes make them ideal for color, coding and decorating.

Application Techniques

• Best results are attained when applied to a clean, dry surface at temperatures between 60° to 85°F (16° to 27°C).
Note: While 3M tape 4712 resists many common solvents, it should not be exposed to ketones, chlorinated hydrocarbons and esters found in lacquer thinner, degreasers, paint strippers, etc., which may cause the backing to swell or curl.

Industry Specifications

Can be sold to Commercial Item Description A-A-1689 Type I & II

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.

Available Sizes

Attribute Name	Value
Standard Roll Length	33 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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