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 →

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English-US

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Supersedes: June, 2024

Technical Data Sheet

3M™ Double Coated Removable Foam Tape 4658F

Product Details

Regulatory Info/SDS

Product Description

3M™ Double Coated Removable Foam Tape 4658F is a clear, double coated acrylic foam tape that removes cleanly from many surfaces. 3M™ Adhesive 100 is a firm acrylic adhesive system that offers high ultimate bond strength, good temperature resistance, solvent resistance and static shear holding power. 3M tape 4658F can reach high bond strengths and some high surface energy substrates and may become difficult to remove.

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
Color	Clear
Adhesive Type	100
Foam Density	960 kg/m³ (60 lb/ft³)
Foam Type	Acrylic

Attribute Name	Value
Thickness: Nominal	0.8 mm (31 mil)
Liner	Polyester Film
Liner Thickness	0.08 mm (3 mil)
Primary Liner Color	Clear
Thickness Tolerance	± 10 %

Typical Performance Characteristics

Substrate: Stainless Steel
Temperature: 23 °C (73 °F)
Dwell Time: 72 h
Backing: 5 mil Aluminum Foil

Attribute Name	Test Method	Value
90° Peel Adhesion	ASTM D3330	26 N/cm (15 lb/in) [1]

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

Static Shear

Test Method: ASTM D3654

Temperature	Value
23 °C (73 °F)	1,000 g [1]
49 °C (120 °F)	750 g [1]
70 °C (158 °F)	500 g [1]

[1] 13 x 25 mm (0.5 x 1 in) sample area, test terminated at 10,000 minutes

Attribute Name	Value
Short Term Temperature Resistance	100 °C (212 °F) [1]
Long Term Temperature Resistance	80 °C (175 °F) [2]

[1] Short Term (minutes, hour)

[2] Long Term (day, weeks)

Typical Environmental Performance

Attribute Name	Value
Solvent Resistance	No apparent degradation when exposed to splash testing of most hydrocarbon solvents.
UV Resistance	Excellent resistance to direct exposure to sunlight or other sources of ultraviolet (U.V.) light.

Handling/Application Information

Application Examples

• Signs
• Holding Electronic Accessories
• Exhibitions
• Smoke Alarms
• Dispensers
• Air Fresheners
• Point of Purchase and other Displays
• Nameplates
• Picture Frame Tabs

Application Techniques

• Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure helps develop better adhesive contact and improve bond strength.
• To obtain optimum adhesion, the bonding surfaces must be clean, dry and well unified. Typical surface cleaning solvents are isopropyl alcohol (rubbing alcohol) and water or heptane. Note: Carefully read and follow manufacturer's precautions and directions for use when using solvents.
• Ideal tape application temperature is 70°F to 100°F (21°C to 38°C). Initial tape application tosurfaces at temperatures below 50°F (10°C) is not recommended because the adhesive may become too firm to adhere readily. However, once properly applied, low temperature holding is generally satisfactory.

Removal Techniques



Design Considerations

• As a general rule, four square inches of tape should be used for each pound of weight to be supported in static load. More or less tape may be required depending upon the particular application. User evaluation is, therefore, required to determine optimal tape usage.
• Care should be used when bonding to surfaces with very low internal strength such as painted plaster board, fabric or cloth, wallpaper, blown vinyl, etc. since delamination of that surface may occur.
• Care should also be taken with wood veneers and highly polished wood as very glossy surfaces may leave an image when the tape is removed.

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
Maximum Available Width	1.18 mm (46.5 in)
Maximum Length	160 m (175 yd)
Normal Slitting Tolerance	±0.8 mm (±1/32 in)

Available Sizes - Detailed

1/2 in x 27 yd (12 mm x 25 m)
3/4 in x 27 yd (19 mm x 25 m)
1 in x 27 yd (25 mm x 25 m)

Automotive Disclaimer

Select Automotive Applications:
This product is an industrial product and has not been designed or tested for use in certain automotive applications, such as automotive electric powertrain battery or high voltage applications, which may require the product to be manufactured in a IATF certified facility, meet a Ppk of 1.33 for all properties, undergo an automotive production part approval process (PPAP), or fully adhere to automotive design or quality system requirements (e.g., IATF 16949 or VDA 6.3). Customer assumes all responsibility and risk if customer chooses to use this product in these applications.

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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