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™ Electrically Debondable Tape
1200-050

Product Description

3M™ Electrically Debondable Tape 1200-050 is a single layer adhesive transfer tape (ATT) featuring an electrically debondable thin PSA. When bonded to 2 conductive surfaces, the 1200-050 is electrically debondable. The electrically debondable feature enables a clean, quick, and safe breaking of this adhesive bond to enable rework, repair, and recycling of critical components

Product Features

- Reliable bonding strength in harsh conditions
- Quick, clean removal with low voltages
- Improved corrosivity

Typical Physical Properties

Attribute Name	Value
Adhesive Thickness	0.05 mm
Adhesive Type	Specialty Acrylic
Tight Side Release Liner Thickness	0.075 mm
Color	White
Easy Side Release Liner Thickness	0.05 mm

Typical Performance Characteristics

Temperature: 23 °C (73 °F)
Dwell Time: 48 h

Attribute Name	Test Method	Substrate	Value
180° Peel Adhesion	ASTM D3330	Aluminum	0.75 N/mm [1]
Tensile Strength	ASTM D897	Stainless Steel	0.8 MPa [2]

[1] 300 mm/min (12 in/min)
[2] 10 mm/min

Temperature: 23 °C (73 °F)

Attribute Name	Test Method	Test Condition	Substrate	Value
Electrical Debond Time (Peel)	ASTM D3330	9V	Aluminum	60 s [1]
Electrical Debond Time (Pushout)	ASTM D897	30V	Stainless Steel	60 s [2]

[1] Time at indicated voltage resulting in 180° peel test falls below 0.1 N/mm
[2] Time at indicated voltage resulting in tensile pushout test falls below 0.3MPa

Application Guidelines

The 3M™ Electrically Debondable Tape 1200-050 can be debonded by applying a low voltage across the two conductive, bonded surfaces. Current will move through the system causing debond on the low voltage side.

Steps to Debond
From a power source, attach the low potential lead to the substrate that will debond, and the high potenial lead to the substrate that will remain bonded.
Apply a small DC voltage, 10-30V for example, which will cause a current to flow through the system, creating a weak boundary layer at the PSA interface on the low potential side.
Afterwards, remove the power and open the bond.

Storage and Shelf Life

The shelf life of 3M™ Electrically Debondable Tape 1200-050 is 12 months from the date of manufacture when stored in the original packaging materials below 40°C (104°F). It is best practice to avoid low humidity and/or high temperature storage conditions.

Certificate of Analysis (COA)

The 3M Certificate of Analysis (COA) for this product is established when the product is manufactured and is deemed commercially available from 3M. The COA contains the 3M specifications, test methods and test results for the products performance attributes that the product will be supplied against. Contact your local 3M representative for this product's COA.

Information

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