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)

ADDRESS (15431) 경기도 안산시 단원구 풍전로 37-9 트리플렉스 301동 118호
TEL 0507-1374-9229
FAX 0504-481-6749
E-MAIL bkkim@snapshoot.co.kr

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

Last Revision Date: April, 2025

Supersedes: September, 2024

Technical Data Sheet

3M™ Sprayable Hot Melt Adhesive 6111

Regulatory Info/SDS

Product Description

3M™ Sprayable Hot Melt Adhesive is a heat applied, 100% solids, sprayable adhesive for a fast, neat alternative to aerosols, contact adhesives and solvent-based adhesives to bond most foams and many other lightweight materials.
• Sprayable 100% solids adhesives for most foams, fabrics particle board and thin metal

Product Features

• Sprayable thermoplastic adhesive.
• One or two surface application.
• Immediate initial strength
• Bonds wide variety of substrates, including most foams, plastics, particle board, light gauge metals.
• Solvent-free, 100% solids.
• Long bonding range.
• Excellent adhesion to polypropylene
• Controlled application with minimal overspray.
Note: Not recommended for bonding unsupported vinyl and leather

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 Uncured Physical Properties

Attribute Name	Value
Color	Tan [1]
Base	Polyolefin copolymer thermoplastic

[1] Colors may vary from nearly white to yellow/amber. Adhesive performance is not affected by color variation.

Typical Physical Properties

Attribute Name	Temperature	Value
Description		Standard Product
Open Time		6 min [1]
Open Time		1 min [2]
Flash Point		259 °C (498 °F)
Available Formats		Chip
Specific Gravity		0.92
Viscosity	191 °C (375 °F)	3,000-5,000 cP [3]

[1] Two pieces of 3/4 in. thick, 2-lb. density polyester urethane foam were sprayed and bonded using 5 sec of firm pressure. After 24 hrs, bonds were pulled apart by hand. The criterion for open time is 100% foam tear.

[2] 3/4 in. thick, 2-lb. density polyester urethane foam. PVC cleaned with IPA and bonded to foam using 5 sec of firm pressure. 24 hr dwell, bonds were pulled apart by hand. The criterion for open time is 100% foam tear.

[3] Brookfield Thermocel Viscometer in Centipoise using a #27 Spindle @ 10 RPM.

Typical Performance Characteristics

180° Peel Adhesion

Temperature: 23 °C (73 °F)

Substrate	Value
ABS	21.200000000000003 N/cm (193.6 oz/in) [1]
Cold Rolled Steel	28.9 N/cm (264 oz/in) [1]
Fir	60.300000000000004 N/cm (550.4 oz/in) [1]
High Density Polyethylene (HDPE)	14.4 N/cm (131.2 oz/in) [1]
Polypropylene (PP)	81.1 N/cm (740.8 oz/in) [1]
Polyvinyl chloride (PVC)	17.3 N/cm (158.4 oz/in) [1]

[1] Peel bonds of cotton duck were tested at a peel angle of 180° @ 51 mm/min (2 in/min) separation rate @RT.

Dead Load Shear

Test Condition	Value
150 g (0.22 lb) Load	85 °C (185 °F)
250 g (0.55 lb) Load	77 °C (170 °F)
1 lb Load	69 °C (155 °F)
0.9 kg (2 lb) Load	63 °C (145 °F)

Attribute Name	Value
Application Temperature	177 — 196 °C (350 — 385 °F)

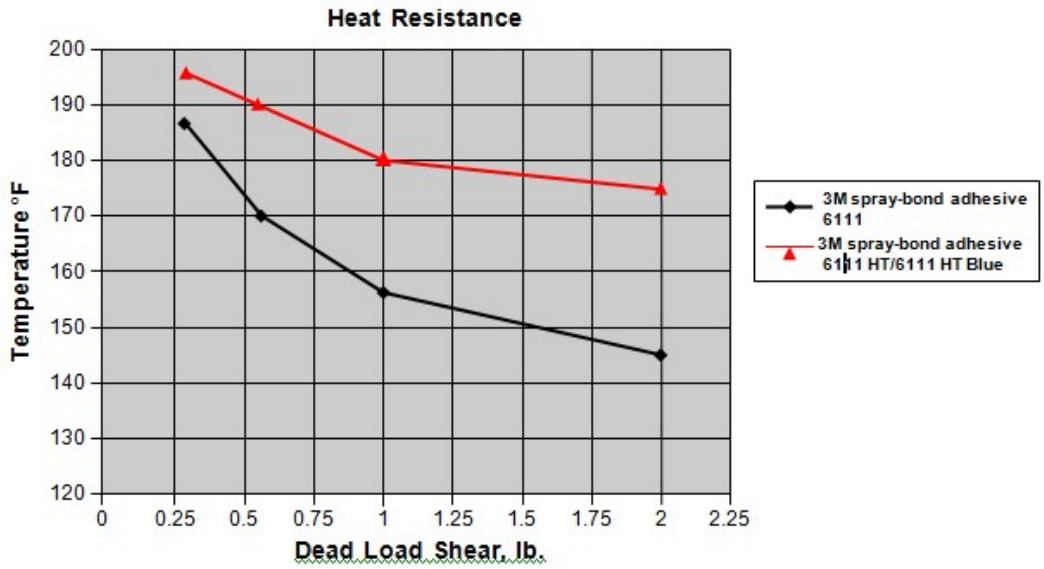
Foam Tear

Substrate	Value
Fir	Yes [1]
ABS	Yes [1]
Polypropylene (PP)	Yes [1]
Polyvinyl chloride (PVC)	Yes [1]
Cold Rolled Steel	Yes [1]
High Density Polyethylene (HDPE)	No [1]

[1] PU foam of 1.2 lb./cu. ft. density bonded to various substrates. After 24hr @ RT, attempt to pull the foam from the substrate. It was noted if the adhesive released from the substrate or if there was tearing of the foam.

Typical Environmental Characteristics

Temperature Resistance



Handling/Application Information

Directions for Use

1. Surface Preparation: Surfaces must be clean, dry and dust free. Wiping with a solvent such as isopropyl alcohol for plastic substrates or MEK (methyl ethyl ketone) for metal will aid in removing oil and dirt.*
*Note: When using solvents, extinguish all ignition sources and follow the manufacturer's precautions and directions for use.

2. Application: 3M™ Sprayable Hot Melt Adhesive is designed for spray application using either a hand held applicator or a "bulk" hot melt system designed for use with a sprayable hot melt adhesive.

Lot Code Information

Example of lot number:8023K4
Code Description
8 Last digit of year manufactured 023 Julian date (day number 0 – 366)
K4 Alpha-numeric lot code (random not sequential)
In this example, the date of manufacture is January 23, 2008.

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 - Detailed

0.5 in dia x 0.5 in Long
22 pound boxes

Precautionary Information

Refer to Product Label and Material Safety Data Sheet for health and safety information before using this product. For additional health and safety information, call 1-800-364-3577

Information

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ISO Statement

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

3M™ Industrial Adhesives and Tapes Division
3M Center, St. Paul, MN 55144-1000
3M.com/iatd

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