SNAPSHOOT
ENGINEERED FOR A SAFER TOMORROW

현장을 이해하고, 필요한 솔루션을 연결합니다.

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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
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데빗암 · 삼각대 · 구조용 윈치
윈치 안전블록 · 구조장비

산업안전 보호구

전신형 안전대 · 랜야드 · 안전블록
작업 환경에 맞춘 개인보호구

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English-US

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Technical Data Sheet

3M™ Scotch-Weld™ One-Part Epoxy Adhesive 6100LV Black

Regulatory Info/SDS

Product Description

3M™ Scotch-Weld™ One-Part Epoxy Adhesive 6100LV Black is a low viscosity one-part epoxy exhibiting low temperature cure or fast high temperature cure with long room temperature pot life. This epoxy is flexible and toughened to minimize stress on small joints with CTE mismatch.

Product Features

• Low viscosity for wicking into small spaces • One-part with stability at room temperature • Low temperature cure and fast cure options • Flexible • Water Resistant

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	Temperature	Value
Color		Black [1]
Viscosity		≈1,500 cP [2]
Viscosity		≈1,000 cP [3]
Pot Life	23 °C (73 °F)	> 4 weeks [4]
Components		1-Part
UV Tracer		No
Halogens (Cl, Br)		Representative samples have been tested and meet the chlorine and bromine content requirements of IEC 61249-2-21 [5]

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

[2] Cone and Plate, RT, 5Hz, 25mm SS plates, 0.0989 rad cone

[3] Brookfield spindle #27 50RPM

[4] Time to double viscosity measure by cone and plate rheometer.

[5] Per IEC 61249-2-21

Typical Mixed Physical Properties

Cure Time

Temperature	Value
65 °C (149 °F)	≈30 min [1]
90 °C (194 °F)	≈4 min [1]

[1] Time to 90% cure by differential scanning calorimetry (DSC). Includes ramp time to temperature.

Typical Performance Characteristics

Test Method: ASTM D638, ISO 527

Attribute Name	Value
Elongation	350 % [1]
Tensile Strength	5 MPa [1]

[1] Type V dogbone. Jaw separation 2 in/min, tested at 25°C / 50%RH.

Handling/Application Information

Directions for Use

Thaw for one to two hours at room temperature before using. Do not heat syringe above 27°C when warming.

Application Examples

- Mobile device bonding
- Wearable electronic device bonding
- Electronics Assembly

Application Techniques

- Dispensing
- Jetting

Storage and Shelf Life

Store product at -20°C (-4°F) in the original, unopened packaging. For best performance, use this product within 18 months from date of manufacture.

Available Sizes

Attribute Name	Value
Packaging	30 mL syringes

Certificate of Analysis (COA)

The 3M Certificate of Analysis (COA) for this product is established when the product is commercially available from 3M. The commercially available product will have a COA specification established. The COA contains the 3M specifications and test methods for the products performance limits that the product will be supplied against. The 3M product is supplied to 3M COA test specifications and the COA test methods. Contact your local 3M representative for this product's COA.

This technical data sheet may contain preliminary data and may not match the COA specification limits and/or test methods that may be used for COA purposes.

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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Safety Data Sheet: Consult Safety Data Sheet before use.
Regulatory: For regulatory information about this product, contact your 3M representative.

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