



Technical Data Sheet

3M™ Glass Cloth Tape 361

Product Description

3M™ Glass Cloth Tape 361 is coated with a silicone adhesive for many applications requiring high temperature resistance, high adhesion and a very strong, abrasion- resistant backing.

Product Features

- Can be certified to meet FAR 25.853 (a) Appendix F Part I (a) (1) (ii), flame resistant specification.
- Can withstand intermittent temperatures up to 550°F (288°C) or higher, depending upon the type and duration of the heat source.
- Continuous exposure to temperatures above 450°F (232°C) will gradually degrade the adhesive causing loss of tape adhesion and darken the glass cloth backing.

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		White
Adhesive Type		Silicone
Backing		Glass Cloth
Backing Thickness	ASTM D3652	0.13 mm
Total Tape Thickness	ASTM D3652	0.16 mm

Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	22 °C	4.2 N/cm ¹
Elongation at Break	ASTM D3759		9 %
Tensile Strength	ASTM D3759		255.7 N/cm
Long Term Temperature Resistance			232 °C ²
Minimum Long Term Temperature Resistance			-54 °C ²

¹ 12 in/min (300 mm/min)

² Long Term (day, weeks)

Handling/Application Information

Application Examples

- High temperature applications requiring high tensile strength, good holding power and abrasion resistance.
- Permanent sealing of high temperature ducts or chambers.
- As a back up strip for submerged arc welding.
- Applications requiring heat treatment followed by clean removal of the tape with little or no stain.

Industry Specifications

Can be certified to meet FAR 25.853 (a) Appendix F Part I (a) (1) (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 24 months from date of manufacture.

Available Sizes

Attribute Name	Value
Standard Roll Length	55 m
Standard Width	13, 19, 25, 38, 50, 75 mm

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

Precautionary Information: Refer to product label and Material Safety Data Sheet for health and safety information before using the product. For information, please contact your local 3M Office. You can click or scan QR code to see contact detail or visit www.3M.com Important Information: All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method or application. All questions of liability relating to this product are governed by the terms of the sale subject, where applicable, to the prevailing law. Values presented have been determined by standard test methods and are average values not to be used for specification purposes. Our recommendations on the use of our products are based on tests believed to be reliable but we would ask that you conduct your own tests to determine their suitability for your applications. This is because 3M cannot accept any responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations.

ISO Statement

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

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