

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


Property	Values	Additional Information
Backing	Glass Cloth	
Adhesive Type	Silicone	
Color	White	
Backing Thickness (mm)	0.13 mm	View 
Test Method: ASTM D3652		
Total Tape Thickness (mil)	6.4 mil	View 
Test Method: ASTM D3652		
Total Tape Thickness (mm)	0.16 mm	View 
Test Method: ASTM D3652		

Backing Thickness	5 mil	View 
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Test Method: ASTM D3652

Typical Performance Characteristics

Property	Values	Additional Information
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Tensile Strength	255.7 N/cm	View 
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Test Method: ASTM D3759

180° Peel Adhesion	4.2 N/cm	View 
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Test Method: ASTM D3330

Notes: 12 in/min (300 mm/min)


180° Peel Adhesion	38 oz/in	View 
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Test Method: ASTM D3330

Notes: 12 in/min (300 mm/min)

Tensile Strength (lb/in)	146 lb/in	View 
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Test Method: ASTM D3759


Elongation at Break (%)	9 %	View 
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Test Method: ASTM D3759

Long Term Temp C	232 °C	View 
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Test Condition: Long Term (day, weeks)

Minimum Long Term Temperature Resistance	-54 °C
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Long Term Temp F	450 °F	View 
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Test Condition: Long Term (day, weeks)

Minimum Long Term Temperature Resistance	-65 °F
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Available Sizes

Property	Values	Additional Information
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Standard Roll Length	55 m
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Standard Roll Length	60 yd
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Standard Width	13, 19, 25, 38, 50, 75 mm
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Standard Width	1/2, 3/4, 1, 1 1/2, 2, 3 in
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Storage and Shelf Life

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton.
To obtain best performance, use this product within 24 months from date of manufacture.

Industry Specifications

Can be certified to meet FAR 25.853 (a) Appendix F Part I (a) (1) (ii)

Automotive Disclaimer

Automotive Applications: This product is an industrial product and has not been designed or tested for use in certain automotive applications, including, but not limited to, automotive electric powertrain battery or high voltage applications. This product does not fully adhere to typical automotive design or quality system requirements, such as IATF 16949 or VDA 6.3. This product may not be manufactured in an IATF certified facility and may not meet a Ppk of 1.33 for all properties. The product may not undergo an automotive production part approval process (PPAP). Customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's automotive application and for conducting incoming inspections before use of the product. Failure to do so may result in injury, death, and/or harm to property. No written or verbal statement, report, data or recommendation by 3M related to automotive use of the product shall have any force or effect unless in an agreement signed by the Technical Director of 3M's Automotive Division. Customer assumes all responsibility and risk if customer chooses to use this product in an automotive electric powertrain battery or high voltage application, and 3M will not be liable for any loss or damage arising from or related to the 3M product or customer's use of the product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity or recall costs), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability. In no event shall 3M be liable for any damages in excess of the purchase price paid for the product.

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Bottom Matter

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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.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/p/d/b40068300/
Safety Data Sheet SDS	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=361

Family Group

Link Tags:

• 361

Products	Backing	Adhesive Type	Backing Thickness (mm)	Total Tape Thickness (mm)	Long Term Temp F
361	Glass Cloth	Silicone	0.13 mm	0.16 mm	450 °F

ISO Statement

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.

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