

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 ^

Test Method: ASTM D3652

Typical Performance Characteristics

Property	Values	Additional Information
Tensile Strength	255.7 N/cm	View ^
Test Method: ASTM D3759		
180° Peel Adhesion	4.2 N/cm	View ^
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		
180° Peel Adhesion	38 oz/in	View ^
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		
Tensile Strength (lb/in)	146 lb/in	View ^
Test Method: ASTM D3759		
Elongation at Break (%)	9 %	View ^
Test Method: ASTM D3759		
Long Term Temp C	232 °C	View ^
Test Condition: Long Term (day, weeks)		
Minimum Long Term Temperature Resistance	-54 °C	View ^
Test Condition: Long Term (day, weeks)		
Long Term Temp F	450 °F	View ^
Test Condition: Long Term (day, weeks)		
Minimum Long Term Temperature Resistance	-65 °F	View ^
Test Condition: Long Term (day, weeks)		

Available Sizes

Property	Values	Additional Information
Standard Roll Length	55 m	

Standard Roll Length	60 yd
Standard Width	13, 19, 25, 38, 50, 75 mm
Standard Width	1/2, 3/4, 1, 1 1/2, 2, 3 in

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

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.

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)	Tensile Strength	Long Term Temp F
361	Glass Cloth	Silicone	0.13 mm	0.16 mm	255.7 N/cm	450 °F

ISO Statement

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

Information

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