

Technical Data Sheet

3M™ General Purpose Glass Cloth Tape 3615

Product Description

3M™ Glass Cloth Tape 3615 is a general purpose, easy unwind tape coated with a silicone adhesive for many applications requiring high-temperature resistance, high adhesion, and abrasion-resistant backing.




Product Features


- Can be used from -65 to 450°F (-54 to 232°C) or greater.
- Can withstand intermittent temperatures up to 550°F (288°C) or higher, depending upon the type and duration of the heat source.
- Glass cloth for high tensile strength to provide a permanent seal.
- Silicone adhesive for long aging, good holding power for a wide operating range to help increase productivity.

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)	1.3 mm	View 
Test Method: ASTM D3652		
Total Tape Thickness (mil)	7 mil	View 
Test Method: ASTM D3652		
Total Tape Thickness (mm)	0.18 mm	View 
Test Method: ASTM D3652		

Backing Thickness 5 mil [View](#) 

Test Method: ASTM D3652

Typical Performance Characteristics

Property	Values	Additional Information
Tensile Strength	315.2 N/cm	View 
Test Method: ASTM D3759		
180° Peel Adhesion	3.8 N/cm	View 
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		
180° Peel Adhesion	35 oz/in	View 
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		
Tensile Strength (lb/in)	180 lb/in	View 
Test Method: ASTM D3759		
Elongation at Break (%)	7 %	View 
Test Method: ASTM D3759		
Short Term Temperature Resistance	550 °F	View 
Test Condition: Short Term (minutes, hour)		
Short Term Temperature Resistance	288 °C	View 
Test Condition: Short Term (minutes, hour)		
Long Term Temp C	232 °C	View 
Test Condition: Long Term (day, weeks)		
Long Term Temp F	450 °F	View 
Test Condition: Long Term (day, weeks)		

Available Sizes

Property	Values	Additional Information
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Standard Roll Length

33 m

Standard Roll Length

36 yd

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.

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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Trademarks

3M is a trademark of 3M Company.

Handling/Application Information

Application Examples

- High temperature applications requiring high tensile strength and good holding power.
- Easy unwind for ease of application.
- Permanent sealing of high temperature ducts or chambers.
- As back up strip for submerged arc welding.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/p/d/b40068304/
Safety Data Sheet SDS	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=3615

Family Group

Link Tags:

• 3615

Products	Adhesive Type	Color	Backing Thickness (mm)	Total Tape Thickness (mm)	Tensile Strength	Short Term Temperature Resistance	Long Term Temp C	Long Term Temp F
3615	Silicone	White	1.3 mm	0.18 mm	315.2 N/cm	288 °C	232 °C	450 °F

Information

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