

# Technisches Datenblatt

## 3M™ PTFE-Folienband 5498

### Product Description

3M™ PTFE Film Tape 5498 has a film backing with a non-silicone rubber adhesive.

### Product Features





- Withstands autoclave cycles for several hours at temperatures up to 350°F (177°C) and 400°F (204°C) exposure for shorter periods.
- Extruded PTFE film tape lies flatter than typical skived PTFE film tapes.

CAUTION: When PTFE film tape is exposed to temperatures above 600°F (316°C), small quantities of hazardous vapors may be released. INHALATION OF THESE VAPORS MAY BE HARMFUL OR MAY CAUSE RESPIRATORY TRACT IRRITATION. Do not heat or expose PTFE film tape to temperatures above 600°F (316°C).

### 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	Extruded PTFE (polytetrafluoroethylene)	
Adhesive Type	Rubber	
Color	Brown	
Backing Thickness (mm)	0.06 mm	View 
Test Method: ASTM D3652		
Total Tape Thickness (mil)	4.2 mil	View 
Test Method: ASTM D3652		
Total Tape Thickness (mm)	0.11 mm	View 
Test Method: ASTM D3652		
Backing Thickness	2.2 mil	View 

Test Method: ASTM D3652

Typical Performance Characteristics

Property	Values	Additional Information
Tensile Strength	33.3 N/cm	View 
Test Method: ASTM D3759		
180° Peel Adhesion	5.1 N/cm	View 
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		
180° Peel Adhesion	47 oz/in	View 
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		
Tensile Strength	304 oz/in	View 
Test Method: ASTM D3759		
Elongation at Break (%)	388 %	View 
Test Method: ASTM D3759		
Long Term Temp C	149 °C	View 
Test Condition: Long Term (day, weeks)		
Minimum Long Term Temperature Resistance	4 °C	View 
Test Condition: Long Term (day, weeks)		
Long Term Temp F	300 °F	View 
Test Condition: Long Term (day, weeks)		
Minimum Long Term Temperature Resistance	40 °F	View 
Test Condition: Long Term (day, weeks)		

Available Sizes

Property	Values	Additional Information
Standard Roll Length	65.8 m	

Standard Roll Length	72 yd
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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% relative humidity in the original packaging material. To obtain best performance, use this product within 18 months from date of manufacture.

## Bottom Matter

3M  
Industrial Adhesives and Tapes Division  
3M Center, Building 225-3S-06  
St. Paul, MN 55144-1000  
800-362-3550

## Trademarks

3M is a trademark of 3M Company.

## Handling/Application Information

### Application Examples

- Lining of composite bonding tool frames where there is concern of silicone contamination.
- Masking and bundling of composite parts prior to bonding operations where there is concern of silicone contamination.

## References

Property	Values
3m.com Product Page	<a href="https://www.3m.com/3M/en_US/p/d/b40070588/">https://www.3m.com/3M/en_US/p/d/b40070588/</a>
Safety Data Sheet SDS	<a href="https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&amp;msdsLocale=en_US&amp;co=ptn&amp;q=5498">https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&amp;msdsLocale=en_US&amp;co=ptn&amp;q=5498</a>

## Family Group

Link Tags:

- 5498

Products	Adhesive Type	Color	Backing Thickness (mm)	Total Tape Thickness (mm)	Tensile Strength	Long Term Temp C	Minimum Long	Long Term
							Term	
							Temperature Resistance	Temp F
5498	Rubber	Brown	0.06 mm	0.11 mm	33.3 N/cm	149 °C	4 °C	300 °F

## ISO Statement

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

## Information

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