

November, 2015

## 3M™ PTFE Film Tape 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).



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

## Typical Performance Characteristics

Property	Values		Method	Substrate
Peel Adhesion	5.1 N/cm	47 oz/in	ASTM D3330	Stainless Steel
Tensile Strength	33.3 N/cm	304 oz/in	ASTM D3759	
Elongation at Break	388 %		ASTM D3759	
Temperature Use Range	4 to 149 °C	40 to 300 °F		

## Available Sizes

Property	Values	
Standard Roll Length	65.8 m	72 yd

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## Handling/Application Information

### Application Ideas

- 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.

### 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.

### Trademarks

3M is a trademark of 3M Company.

### References

Property	Values
3m.com Product Page	<a href="https://www.3m.com/3M/en_US/company-us/all-3m-products/~/3M-PTFE-Film-Tape-5498?N=5002385+3293242545&amp;rt=rud">https://www.3m.com/3M/en_US/company-us/all-3m-products/~/3M-PTFE-Film-Tape-5498?N=5002385+3293242545&amp;rt=rud</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>

### ISO Statement

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

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## Information

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