



Technical Data Sheet

3M™ PTFE Film Tape 5498



Product Details



Regulatory Info/SDS

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

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

Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	23 °C (73 °F)	5.1 N/cm (47 oz/in) ¹
Elongation at Break	ASTM D3759		388 %
Tensile Strength	ASTM D3759		33.3 N/cm (19 lb/in)
Long Term Temperature Resistance			149 °C (300 °F) ²
Minimum Long Term Temperature Resistance			4 °C (40 °F) ²

¹ 304 mm/min (12 in/min)

² Long Term (day, weeks)

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.

Storage and Shelf Life

Store under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 18 months from date of manufacture.

Available Sizes

Attribute Name	Value
Standard Roll Length	65.8 m (72 yd)

Information

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