

3M

PTFE Film Tape

5498

Technical Data

November, 2015

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

Product Construction	Backing	Adhesive	Color	Standard Roll Length
	Extruded PTFE (polytetrafluoroethylene)	Rubber	Brown	72 yds. (65.8 m)

Typical Physical Properties Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

		ASTM Test Method
Adhesion to Steel:	47 oz./in. width (51 N/100 mm)	D-3330
Tensile Strength at Break:	19 lbs./in. width (335 N/100 mm)	D-3759
Elongation at Break:	388%	D-3759
Backing Thickness:	2.2 mils (0.06 mm)	D-3652
Total Tape Thickness:	4.2 mils (0.11 mm)	D-3652
Temperature Use Range:	40 - 300°F (4 - 149°C)	

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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Application Ideas	<ul style="list-style-type: none">• 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	Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% relative humidity in the original packaging material.
Shelf Life	To obtain best performance, use this product within 18 months from date of manufacture.
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ISO 9002

This Industrial Adhesives and Tapes Division product was manufactured under a quality system registered to ISO 9001:2000 standards.



Industrial Business
Industrial Adhesives and Tapes Division
3M Center, Building 220-3S-06
St. Paul, MN 55144-1000
800-362-3550 • 577-369-2923 (Fax)
www.3M.com/IATD

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