



Silicone-Free PTFE Film Tape

5498

Technical Data

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

Product Construction	Backing	Adhesive	Color	Standard Roll Length
	Extruded PTFE (polytetrafluoroethylene)	Silicone-free rubber	Brown	36 yds. (32.9 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:	48 oz./in. width (53 N/100 mm)	D-3330
Tensile Strength at Break:	19 lbs./in. width (332 N/100 mm)	D-3759
Elongation at Break:	105%	D-3759
Backing Thickness:	2.0 mils (0.05 mm)	D-3652
Total Tape Thickness:	4.0 mils (0.10 mm)	D-3652
Temperature Use Range:	40° to 300°F (4° to 149°C)	

Features

- Withstands autoclave cycles for several hours at temperatures up to 350°F (176°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 400°F (204°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 400°F (204°C).

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.

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Storage Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton.

Shelf Life To obtain best performance, use this product within 18 months from date of manufacture.

Product Use All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

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ISO 9001:2000

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