

Silicone-Free PTFE Film Tape

5498

Technical Data

April, 1996

Product Description Extruded PTFE (polytetrafluoroethylene) film backing with a silicone-free rubber adhesive.

Construction	Backing	Adhesive	Color	Standard Roll Length
	Extruded PTFE	Silicone-free Rubber	Brown	36 yds. (33 m)

Typical Physical Properties and Performance Characteristics **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 (52.5 N/100 mm)	D-3330
Tensile Strength:	19 lbs./in. width (332.7 N/100 mm)	D-3759
Elongation at Break:	105%	D-3759
Backing Thickness:	2.2 mils (.055 mm)	D-3652
Total Tape Thickness:	4.1 mils (.104 mm)	D-3652
Temperature Use Range:	40°F to 300°F (4°C to 149°C)	

General Information

- The tape withstands autoclave cycles of 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.
- Store in a clean, dry area at temperatures approximating 70°F (21°C) and 50% relative humidity.

CAUTION: When PTFE film tape is exposed to temperatures above 750°F (400°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 750°F (400°C).

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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.

Features

- Extruded PTFE film
- Silicone-free adhesive

Advantages

- Anti-stick, low friction
- Eliminates silicone contamination
- Removes cleanly

Benefits

- Easy removal of epoxy “flash”
- Helps assure good bonding potential
- Helps reduce clean-up

For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550. Address correspondence to: 3M Industrial Tape and Specialties Division, 3M Center, Building 220-7E-01, St. Paul, MN 55144-1000. Our fax number is 612-733-9175. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-809-750-3000. In Mexico, phone: 5-728-2180.

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ISO 9002

This Industrial Tape and Specialties Division product was manufactured under a 3M quality system registered to ISO 9002 standards.



Industrial Tape and Specialties Division

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