## **3M**

## PTFE Extruded Film Tape

5490 • 5491

Product Description	3M <sup>TM</sup> PTFE Extruded Film Tapes have a film backing with a silicone adhesive.			
Product Construction	Backing	Adhesive	Color	Standard Roll Lengtl
	Extruded PTFE (polytetrafluoroethylene)	Silicone	Gray	36 yds. (32.9 m)
Typical Physical Properties	Note: The following technior typical only and s			
Troperties	or of Production			ASTM Test Method
	3M™ PTFE Extruded Tape 5490			
	Adhesion to Steel:	27 oz./in. width (29 N/100 mm)		D-3330
	Tensile Strength:	22 lbs./in. width (385 N/100 mm)		D-3759
	Elongation at Break:	150%		D-3759
	Backing Thickness:	2.0 mils (0.05 mm)		D-3652
	Total Tape Thickness:	3.7 mils (0.09 mm)		D-3652
	Temperature Use Range:	-65° to 500°F (-54° to 260°C)		
	3M™ PTFE Extruded Tape 5491			
	Adhesion to Steel:	35 oz./in. width (38 N/100 mm)		D-3330
	Tensile Strength:	40 lbs./in. width	(700 N/100 mm)	D-3759
	Elongation at Break:	200%		D-3759
	Backing Thickness:	5.0 mils (0.13 m	ım)	D-3652
	Total Tape Thickness:	6.7 mils (0.17 mm)		D-3652
	Temperature Use Range:	-65° to 500°F (-5	54° to 260°C)	
Features	<ul> <li>Extruded, calendered film tapes that resist curling during unwind and provide an exceptionally smooth surface when applied.</li> </ul>			
	• Extruded PTFE film tapes lie flatter than typical skived PTFE film tapes.			
	• Thicker backing helps extend the service life, compared to thinner versions, when subjected to abrasion or wear.			
	<ul> <li>Provides excellent chemical resistance except to organic solvents. Note: The silicone adhesive will be attacked by commercial organic solvents and is not recommended for applications requiring organic resistance.</li> </ul>			
	<b>CAUTION:</b> 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).

### 3M<sup>™</sup> PTFE Extruded Film Tape

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#### **Application Ideas**

- Easy-release surface on rollers, plates, belts, etc. where build-up of sticky materials and inks can occur.
- Low coefficient of friction surface on rollers, formers, etc. to facilitate web movement.
- · Chemical resistant surface for sealing and masking.
- Wrapping rubber nip rollers on hot polyethylene extrusion machines.

#### Storage

Store under normal conditions of  $60^{\circ}$  to  $80^{\circ}$ F ( $16^{\circ}$  to  $27^{\circ}$ C) and 40 to 60% R.H. in the original carton.

#### **Shelf Life**

To obtain best performance, use this product within 24 months from date of manufacture.

#### **Technical Information**

The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

#### **Product Use**

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

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(ISO 9001:2000)

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001: 2000 standards.





#### **ПОСТАВКА** ЭЛЕКТРОННЫХ КОМПОНЕНТОВ

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001 Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

# Данный компонент на территории Российской Федерации Вы можете приобрести в компании MosChip.

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#### http://moschip.ru/get-element

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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