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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





# PTFE Skived Film Tape

5480 • 5481

## Technical Data

October, 2016

**Product Description** 3M™ PTFE Skived Film Tape 5480 and 5481 tapes offer an extremely low coefficient of friction which, in combination with a pressure sensitive silicone adhesive, creates a smooth, non-stick surface over a variety of substrates to assist in the movement of web materials in many types of roll-wrap applications

Product Construction	Backing	Adhesive	Color	Standard Roll Length
	Skived PTFE (polytetrafluoroethylene)	Silicone	Gray	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
<b>3M tape 5480</b>			
Adhesion to Steel:	20 oz./in. width (22 N/100 mm)		D-3330
Tensile Strength:	26 lbs./in. width (461 N/100 mm)		D-3759
Elongation at Break:	140%		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)		
<b>3M tape 5481</b>			
Adhesion to Steel:	32 oz./in. width (35 N/100 mm)		D-3330
Tensile Strength:	59 lbs./in. width (1039 N/100 mm)		D-3759
Elongation at Break:	290%		D-3759
Backing Thickness:	5.0 mils (0.13 mm)		D-3652
Total Tape Thickness:	6.8 mils (0.17 mm)		D-3652
Temperature Use Range:	-65° to 500°F (-54° to 260°C)		

## Features

- Skived 3M™ PTFE Film Tapes are more conformable than typical extruded PTFE film tapes.
- Provides excellent chemical resistance except to organic solvents. **Note:** The silicone adhesive will be attacked by commercial organic solvents and so are not recommended for applications requiring organic resistance.
- Silicone adhesive provides clean removal from a variety of surfaces.
- Non-stick PTFE film provides an exceptionally slick surface for easy clean-up.

# 3M™ PTFE Skived Film Tape

5480• 5481

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- Application Ideas**
- Easy-release surface provided by wrapping rollers, plates, belts, etc. where build-up of sticky materials and inks can occur.
  - Shielding and protecting against chemicals.
  - Mold release for composite or metal bonding.
  - High temperature wire bundling and harnessing.
  - High strength and abrasion resistance reduce friction between surfaces, minimizing squeak and noise.
  - Wide temperature range for performance on heated machinery and equipment.

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

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

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**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.

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**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.



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



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