3M

General Purpose PTFE Skived Film Tape

5180 • 5181

Product Description	3M TM General Purpose PTFE Skived Film Tapes are film backing with a silicone adhesive.			
Product Construction	Backing	Adhesive	Color	Standard Roll Lengtl
	Skived PTFE (polytetrafluorethylene)	Silicone	Gray	36 yds. (33 m)
Typical Physical Properties	Note: The following technic or typical only and sl			
V 1				
V 1				poses.
· ·	or typical only and sl	nould not be used f		poses.
V 1	or typical only and sl 3M™ Tape 5180	nould not be used f	or specification pur	poses. ASTM Test Method
V 1	or typical only and sl 3M™ Tape 5180 Adhesion to Steel:	nould not be used f	or specification pur	ASTM Test Method
V 1	or typical only and sl 3M [™] Tape 5180 Adhesion to Steel: Tensile Strength:	25 oz./in. widt 30 lbs./in. widt	or specification pur h (28 N/100 mm) th (525 N/100 mm)	D-3330 D-3759
V 1	or typical only and sl 3M™ Tape 5180 Adhesion to Steel: Tensile Strength: Elongation at Break:	25 oz./in. widt 30 lbs./in. widt 100%	or specification pur h (28 N/100 mm) th (525 N/100 mm) mm)	D-3330 D-3759 D-3759
· ·	or typical only and sl 3M [™] Tape 5180 Adhesion to Steel: Tensile Strength: Elongation at Break: Backing Thickness:	25 oz./in. widt 30 lbs./in. widt 100% 2.0 mils (0.05 3.5 mils (0.09	or specification pur h (28 N/100 mm) th (525 N/100 mm) mm)	D-3330 D-3759 D-3652
· ·	or typical only and sl 3M™ Tape 5180 Adhesion to Steel: Tensile Strength: Elongation at Break: Backing Thickness: Total Tape Thickness:	25 oz./in. widt 30 lbs./in. widt 100% 2.0 mils (0.05 3.5 mils (0.09	or specification pur h (28 N/100 mm) th (525 N/100 mm) mm) mm)	D-3330 D-3759 D-3652
Typical Physical Properties	or typical only and sl 3M™ Tape 5180 Adhesion to Steel: Tensile Strength: Elongation at Break: Backing Thickness: Total Tape Thickness: Temperature Use Range:	25 oz./in. widt 30 lbs./in. widt 100% 2.0 mils (0.05 3.5 mils (0.09 -65° to 500°F	or specification pur h (28 N/100 mm) th (525 N/100 mm) mm) mm)	D-3330 D-3759 D-3652

Features

• Demonstrate good conformability when wrapping rollers.

100%

Elongation at Break:

Backing Thickness: Total Tape Thickness:

Temperature Use Range:

• Provide excellent chemical resistance except to organic solvents. **Note:** The silicone adhesive will be attached by commercial organic solvents; therefore tapes are **NOT** recommended for applications requiring organic resistance.

5.0 mils (0.13 mm)

6.5 mils (0.17 mm)

-65° to 500°F (-54° to 260°C)

D-3759

D-3652

D-3652

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 tapes to temperatures above 600°F (316°C).

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Application Ideas

- Wrapping rubber laminating rollers on hot polyethylene extruders to create a release surface to help minimize clean-up.
- Easy release surface provided by wrapping rollers, plates, belts, etc. where buildup of sticky materials and inks can occur.
- Chemical resistant surface for sealing and masking.

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 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.

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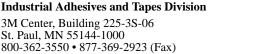
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ISO 9001:2000

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





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