## 34

# PTFE Skived Film Tape

5480 • 5481

Technical Data	March, 201			March, 2014
<b>Product Description</b>	3M <sup>TM</sup> PTFE Skived Film Tape 5480 and 5481 has a film backing with a silicone adhesive.			
Product Construction  Typical Physical Properties	Backing	Adhesive	Color	Standard Roll Lengtl
	Skived PTFE (polytetrafluoroethylene)	Silicone	Gray	36 yds. (32.9 m)
	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  2M tens 5 400			
	3M tape 5480			
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	Adhesion to Steel:		n (22 N/100 mm)	D-3330
	Adhesion to Steel: Tensile Strength:	27 lbs./in. widt	n (22 N/100 mm) h (473 N/100 mm)	D-3759
	Adhesion to Steel: Tensile Strength: Elongation at Break:	27 lbs./in. widt 140%	h (473 N/100 mm)	
	Adhesion to Steel: Tensile Strength:	27 lbs./in. widt 140% 2.0 mils (0.05	h (473 N/100 mm) mm)	D-3759 D-3759
	Adhesion to Steel: Tensile Strength: Elongation at Break: Backing Thickness:	27 lbs./in. widt 140% 2.0 mils (0.05 3.7 mils (0.09	h (473 N/100 mm) mm)	D-3759 D-3759 D-3652
	Adhesion to Steel: Tensile Strength: Elongation at Break: Backing Thickness: Total Tape Thickness: Temperature Use Range:	27 lbs./in. widt 140% 2.0 mils (0.05 3.7 mils (0.09	mm) mm)	D-3759 D-3759 D-3652
	Adhesion to Steel: Tensile Strength: Elongation at Break: Backing Thickness: Total Tape Thickness:	27 lbs./in. widt 140% 2.0 mils (0.05 3.7 mils (0.09 -65° to 500°F	mm) mm)	D-3759 D-3759 D-3652
	Adhesion to Steel: Tensile Strength: Elongation at Break: Backing Thickness: Total Tape Thickness: Temperature Use Range:  3M tape 5481	27 lbs./in. widt 140% 2.0 mils (0.05 3.7 mils (0.09 -65° to 500°F	mm) mm) (-54° to 260°C)	D-3759 D-3759 D-3652 D-3652
	Adhesion to Steel: Tensile Strength: Elongation at Break: Backing Thickness: Total Tape Thickness: Temperature Use Range:  3M tape 5481 Adhesion to Steel:	27 lbs./in. widt 140% 2.0 mils (0.05 3.7 mils (0.09 -65° to 500°F	mm) mm) (-54° to 260°C) m (35 N/100 mm)	D-3759 D-3759 D-3652 D-3652
	Adhesion to Steel: Tensile Strength: Elongation at Break: Backing Thickness: Total Tape Thickness: Temperature Use Range:  3M tape 5481 Adhesion to Steel: Tensile Strength:	27 lbs./in. widt 140% 2.0 mils (0.05 3.7 mils (0.09 -65° to 500°F 32 oz./in. width 49 lbs./in. width	mm) mm) (-54° to 260°C)  n (35 N/100 mm) h (858 N/100 mm)	D-3759 D-3759 D-3652 D-3652 D-3330 D-3759
	Adhesion to Steel: Tensile Strength: Elongation at Break: Backing Thickness: Total Tape Thickness: Temperature Use Range:  3M tape 5481 Adhesion to Steel: Tensile Strength: Elongation at Break:	27 lbs./in. widt 140% 2.0 mils (0.05 3.7 mils (0.09 -65° to 500°F 32 oz./in. widtl 49 lbs./in. widtl 335%	mm) mm) (-54° to 260°C)  (35 N/100 mm) th (858 N/100 mm)	D-3759 D-3759 D-3652 D-3652 D-3759 D-3759

#### **Features**

- Skived film tapes demonstrate good conformability when wrapping rollers.
- 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.

**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).

### **3M<sup>™</sup> PTFE Skived Film Tape**

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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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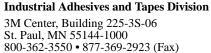
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