3MPTFE Extruded Film Tape

5490 • 5491

Product Construction	3M TM PTFE Extruded Film Tapes have a film backing with a silicone adhesive.			
	Backing	Adhesive	Color	Standard Roll Lengtl
	Extruded 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
	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 n	nm)	D-3652
	Total Tape Thickness:	6.7 mils (0.17 n	nm)	D-3652
	Temperature Use Range:	-65° to 500°F (-	-54° to 260°C)	
Features	Extruded, calendered film tapes that resist curling during unwind and provide an exceptionally smooth surface when applied. Formula DEFE file to the live of the state of the live of DEFE file to the live of DEFE fil			
	• 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. 			
	 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. 			

TRACT IRRITATION. Do not heat or expose PTFE film tape to temperatures

above 600°F (316°C).

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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° 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 18 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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ISO 9001:2000

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