



# Technical Data Sheet

3M™ Extended Liner Transfer Tape with 9934XL



[Product Details](#)



[Regulatory Info/SDS](#)

## Product Description

3M™ Extended Liner Tapes have a liner that extends beyond the width of the adhesive to provide easy liner starting and removal.

## Product Features

- The extended liner provides a dry edge on both edges of the tape for easy liner removal. The stated product width represents the width of the liner. The adhesive width is narrower than the liner width by the amount of the cumulative dry edges.
- 3M adhesive 600 demonstrates high peel adhesion to low and high-energy surface materials.

## Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

## Typical Physical Properties

Attribute Name	Test Method	Value
Color		Clear - slight amber hue
Adhesive Type		*600
Total Tape Thickness	ASTM D3652	0.1 mm (4 mil)
Liner		60# Semi-bleached Kraft
Liner Thickness		0.09 mm (3.5 mil)

Attribute Name	Value
*Note	*3M adhesive 600 is a high tack synthetic rubber adhesive.

## Typical Performance Characteristics

### 90° Peel Adhesion

Temperature: 22 °C (72 °F)

Backing: 2 mil Aluminum Foil

Test Method: ASTM D3330

Dwell Time	Substrate	Value
15 min	ABS	17.5 N/cm (160 oz/in) <sup>1</sup>
15 min	High Density Polyethylene (HDPE)	15.9 N/cm (145 oz/in) <sup>1</sup>
15 min	Polycarbonate (PC)	17.5 N/cm (160 oz/in) <sup>1</sup>
15 min	Polypropylene (PP)	17.5 N/cm (160 oz/in) <sup>1</sup>
15 min	Stainless Steel	17.5 N/cm (160 oz/in) <sup>1</sup>
72 h	Stainless Steel	17.5 N/cm (160 oz/in) <sup>1</sup>

<sup>1</sup> 12 in/min (300 mm/min)

## Static Shear

Test Method: ASTM D3654

Temperature	Test Condition	Value
22 °C (72 °F)	1000g	>10,000 min
49 °C (120 °F)	500g	>5,000 min

Attribute Name	Value
Short Term Temperature Resistance	65 °C (150 °F) <sup>1</sup>
Long Term Temperature Resistance	49 °C (120 °F) <sup>2</sup>

<sup>1</sup> Short Term (minutes, hour)

<sup>2</sup> Long Term (day, weeks)

## Special Considerations

The stated product width represents the width of the liner. The adhesive width is narrower than the liner width by the amount of the cumulative dry edges.

## Handling/Application Information

### Application Examples

- Point of Purchase displays.
- Difficult splicing applications.
- Shelf talkers and price tags.
- Polyethylene foam bonding.

### Application Techniques

- Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure helps develop better adhesive contact and improved bond strength.
- To obtain optimum adhesion, the bonding surfaces must be clean, dry and well unified. Some typical surface cleaning solvents are isopropyl alcohol or heptane.\*

\*Note: Be sure to follow solvent manufacturer's precautions and directions for use when using solvents.

- Ideal tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application to surfaces at temperatures below 50°F (10°C) is not recommended because the adhesive becomes too firm to adhere readily. However, once properly applied, low temperature holding is typically satisfactory

## Industry Specifications

### FDA Statement

This product might be suitable for use in indirect food contact applications. Please see the applicable Regulatory Data Sheet for more information relating to FDA compliance.

## Storage and Shelf Life

Store under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 18 months from date of manufacture.

## Available Sizes

Attribute Name	Value
Available Width	19.0, 25.4, 38.1, 50.8, 76.2 and 152.4 mm (3/4, 1.0, 1.5, 2.0, 3.0 and 6.0 in)
Core Size (ID)	76.2 mm (3 in)
Liner Extension Tolerance	± 0.8 mm (± 1/32 in)
Liner Extension Width (each side)	1.6 mm (1/16 in)
Maximum Length	548 m (600 yd)
Minimum Length	110 m (120 yd)

Attribute Name	Value
Normal Slitting Tolerance	± 0.8 mm (± 1/32 in)

## **Recognition/Certification**

**MSDS:** 3M has not prepared a MSDS for this product which is not subject to the MSDS requirements of the Occupational Safety and Health Administration's Hazard Communication Standard, 29 C.F.R. 1910.1200(b)(6)(v). When used under reasonable conditions or in accordance with the 3M directions for use, this product should not present a health and safety hazard. However, use or processing of the product in a manner not in accordance with the directions for use may affect the performance and present potential health and safety hazards.

**TSCA:** This product is defined as an article under the Toxic Substances Control Act and therefore, it is exempt from inventory listing requirements.

## **Automotive Disclaimer**

### **Select Automotive Applications:**

This product is an industrial product and has not been designed or tested for use in certain automotive applications, such as automotive electric powertrain battery or high voltage applications, which may require the product to be manufactured in a IATF certified facility, meet a Ppk of 1.33 for all properties, undergo an automotive production part approval process (PPAP), or fully adhere to automotive design or quality system requirements (e.g., IATF 16949 or VDA 6.3). Customer assumes all responsibility and risk if customer chooses to use this product in these applications.

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## **ISO Statement**

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

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