



# Technical Data Sheet

## 3M™ Polyester Film Tape 850 Silver



[Product Details](#)



[Regulatory Info/SDS](#)

### **Product Description**

3M™ Polyester Film Tape 850 can generally be used for splicing and applications where chemical resistance and/or clean removal is necessary. The silver backing is a transparent polyester with a thin layer of aluminum.

### **Product Features**

- Thin, high strength polyester film helps reduce failures due to breakage while meeting low caliper requirements.
- Chemical and solvent resistance to help reduce rejects produced from chemical and solvent attack.
- Abrasion resistant to help protect surfaces from abrasion and rough handling.
- Variety of colors offered when easy detection is required.

### **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		Silver
Adhesive Type		Acrylic
Backing		Polyester
Backing Thickness	ASTM D3652	0.02 mm (0.9 mil)
Water Vapor Transmission	ASTM D3833	7.75 g/m <sup>2</sup> /24 h (0.9 g/100 in <sup>2</sup> /24 h)

### **Typical Performance Characteristics**

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	22 °C (72 °F)	4.6 N/cm (42 oz/in) <sup>1</sup>
Elongation at Break	ASTM D3759		120 %
Tensile Strength	ASTM D3759		49 N/cm (448 oz/in)
Long Term Temperature Resistance			150 °C (300 °F) <sup>2</sup>
Minimum Long Term Temperature Resistance			-50 °C (-60 °F) <sup>2</sup>

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

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

## **Handling/Application Information**

### **Application Examples**

- Post splicing movie film.
- Deflect flagging where reflective sensing is required.
- Decorative striping and die cutting.
- Decorative edging.

### **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**

<b>Attribute Name</b>	<b>Value</b>
Standard Roll Length	65.8 m (72 yd)

### **Information**

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### **ISO Statement**

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

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