



Technical Data Sheet

3M™ Polyester Film Tape 850



Last Revision Date: August, 2013



English

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		Transparent, Red, Black, White	
Adhesive Type		Acrylic	
Backing		Polyester	
Backing Thickness	ASTM D3652	0.02 mm (0.9 mil)	
Water Vapor Transmission	ASTM D3833	24.8 g/m ² /24 h (1.6 g/100 in ² /24 h)	

Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	22 °C (72 °F)	3.3 N/cm (30 oz/in) ¹
Elongation at Break	ASTM D3759		120 %
Tensile Strength	ASTM D3759		49 N/cm (448 oz/in)
Long Term Temperature			150 °C (300 °F) ²
Resistance			130 C (300 1)
Minimum Long Term		50 °C (60 °F) 2	-50 °C (-60 °F) ²
Temperature Resistance			-50 C (-00 1) -

¹² in/min (300 mm/min)

Handling/Application Information

Application Examples

- Splicing and web defect marking.
- Sealing, labeling, and protecting.Positive film striping (transparent).
- · Decorative edging.
- · Tape hinge.

² Long Term (day, weeks)

Storage and Shelf Life

Store under normal conditions of 60° to 80° F (16° to 27° C) and 40 to 60% relative humidity in the original packaging material.

To obtain best performance, use this product within 18 months from date of manufacture.

Available Sizes

Attribute Name	Value
Standard Roll Length	65.8 m (72 yd)

Information

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ISO Statement

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