

Technical data sheet



Product: 850

Manufacturer: 3M DEUTSCHLAND GMBH

Product group: KLEBEBAND

Article group: EINSEITIG

Download: 24.05.2025

3M™ POLYESTER FILM TAPE 850

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Technical Data Sheet

3M™ Polyester Film Tape 850



[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 | | 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 (28 lb/in) |
| Long Term Temperature Resistance | | | 150 °C (300 °F) ² |
| Minimum Long Term Temperature Resistance | | | -50 °C (-60 °F) ² |

¹ 12 in/min (300 mm/min)

² Long Term (day, weeks)

Handling/Application Information

Application Examples

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

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 |
|-----------------------|----------------|
| 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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