

Technical Data Sheet

3M™ Polyester Film Tape 850 Silver

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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

Property	Values	Additional Information
Backing	Polyester	
Adhesive Type	Acrylic	
Color	Silver	
Backing Thickness (mm)	0.02 mm	View 
Backing Thickness	0.9 mil	View 
Water Vapor Transmission	7.75 g/m²/24 hr	View 
Water Vapor Transmission	0.9 g/100 in²/24 hr	View 

Typical Performance Characteristics

Property	Values	Additional Information
Tensile Strength	49 N/cm	View 
180° Peel Adhesion	4.6 N/cm	View 
180° Peel Adhesion	42 oz/in	View 
Tensile Strength	448 oz/in	View 
Elongation at Break (%)	120 %	View 
Long Term Temp C	150 °C	View 
Minimum Long Term Temperature Resistance	-50 °C	
Long Term Temp F	300 °F	View 
Minimum Long Term Temperature Resistance	-60 °F	

Available Sizes

Property	Values	Additional Information
Standard Roll Length	65.8 m	
Standard Roll Length	72 yd	

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.

Bottom Matter

3M
Industrial Adhesives and Tapes Division
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St. Paul, MN 55144-1000
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Trademarks

3M is a trademark of 3M Company.

Handling/Application Information

Application Examples

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

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/p/d/b5005321067/
Safety Data Sheet SDS	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=mdsSRA&mdsLocale=en_US&co=ptn&q=850 Silver

ISO Statement

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

Information

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