



Technical Data Sheet

3M™ Two-Sided Metalized Polyester Tape 8437



[Product Details](#)

Product Description

3M™ Metalized Polyester Tape 8437 is comprised of relatively thin polyester backing with a metalized coating on both sides of the film providing a mirror-like finish with low emissivity and a versatile, long lasting acrylic adhesive. 3M tape 8437 is supplied on a silicone coated release liner for easy handling. The liner also allows for large area applications and die-cutting custom shapes. The liner also provides for additional stiffness and application ease when applying 3M tape 8437 in narrow gaps.

Product Features

- Metalized surface gives some of the advantages of metal tape without the associated weight.
- Tough, thin backing resists tearing.
- Acrylic adhesive has excellent aging properties for a long lasting bond.
- Mirror-like finish gives high visibility where it is needed.
- Liner is convenient for die-cuts, applications to large surface areas, or applications where there is a narrow gap.
- Some degree of conductivity.
- Low emissivity.
- Tape maintains bright appearance up to 3 months.

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		Transparent Acrylic
Backing		Aluminized Polyester
Backing Thickness	ASTM D3652	0.02 mm (0.9 mil)
Total Tape Thickness	ASTM D3652	0.05 mm (2.1 mil)
Liner Thickness		0.11 mm (4.3 mil)

Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	23 °C (73 °F)	4.4 N/cm (40 oz/in) ¹
Elongation at Break	ASTM D3759		70 %
Tensile Strength	ASTM D3759		35 N/cm (20 lb/in)
Long Term Temperature Resistance			150 °C (300 °F) ²
Minimum Long Term Temperature Resistance			-50 °C (-60 °F) ²

¹ 304 mm/min (12 in/min)

² Long Term (day, weeks)

Handling/Application Information

Application Examples

- Splice detection.
- For many applications where reflectivity and low emissivity are desired.
- Can be used for certain applications requiring a conductive surface.
- Decorating and identifying.

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	66 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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