

March, 2016

3M™ Two-Sided Metalized Polyester Tape 8437

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.

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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		Method
Color	Silver		
Total Tape Thickness	0.05 mm	2.1 mil	ASTM D3652
Backing Thickness	0.02 mm	0.9 mil	ASTM D3652
Backing	Aluminized Polyester		
Adhesive	Transparent Acrylic		
Liner Thickness	0.11 mm	4.3 mil	ASTM D3652

Typical Performance Characteristics

Property	Values		Method	Substrate
Peel Adhesion	4.4 N/cm	40 oz/in	ASTM D3330	Stainless Steel
Tensile Strength	35 N/cm	320 oz/in	ASTM D3759	
Elongation at Break	70 %		ASTM D3759	
Temperature Use Range	-50 to 150 °C	-60 to 300 °F		

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Available Sizes

Property	Values	
Standard Roll Length	66 m	72 yd

Handling/Application Information

Application Ideas

- 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 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.

Trademarks

3M is a trademark of 3M Company.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/company-us/all-3m-products/~/3M-Metalized-Film-Tape-8437?N=5002385+3293241444&rt=rud
Safety Data Sheet (SDS)	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=8437

ISO Statement

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.

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Information

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