



Two-Sided Metalized Polyester Tape

8437

Technical Data

April, 2011

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 Construction

Backing	Adhesive	Color	Standard Roll Length
1 mil (0.25 mm) transparent polyester film both surfaces of which have a very thin coating of aluminum metal.	Transparent acrylic	Silver	72 yds. (66 m)

Typical Physical Properties

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

		ASTM Test Method
Adhesion to Steel:	40 oz./in. width (44 N/100 mm)	D-3330
Tensile Strength:	20 lbs./in. width (350 N/100 mm)	D-3759
Elongation at Break:	70%	D-3759
Backing Thickness:	0.9 mils (0.02 mm)	D-3652
Total Tape Thickness:	2.1 mils (0.05 mm)	D-3652
Liner Thickness:	4.3 mils (0.11 mm)	D-3652

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 adheres well in outdoor applications and maintains bright appearance up to 3 months.

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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

Store under normal conditions of 70°F (21°C) and 50% R.H. in the original carton.

Shelf Life

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

Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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ISO 9001:2008

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