



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.

3M™ Two-Side Metalized Polyester Tape

8437

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.

Product Use

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

Warranty, Limited Remedy, and Disclaimer

Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability

Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

ISO 9001:2008

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2008 standards.



Industrial Adhesives and Tapes Division

3M Center, Building 225-3S-06
St. Paul, MN 55144-1000
800-362-3550 • 877-369-2923 (Fax)
www.3M.com/industrial



Recycled Paper
40% pre-consumer
10% post-consumer

3M is a trademark of 3M Company.
Printed in U.S.A.
©3M 2011 70070328649 (4/11)