

Scotch® Photoelectric Scanning Tape 7800



Technical Data

May, 2003

Product Description

Scotch® Photoelectric Scanning Tape 7800 is an exposed-lens retroreflective tape with a pressure-sensitive adhesive that is designed for use as expendable code marks in automatic warehouse or conveyor operations. This product affords exceptional contrast with its background for increased accuracy, reliability, and depth-of-field in photoelectric sorting and classification systems and may be employed with automatic on-line applicators or manual dispensers for identification or simple sortation of paperboard shipping containers.

Construction

Color	Lens	Liner
Medium gray	Exposed	None

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.

Thickness

Applied: .007 in. (.017 cm)

Typical Luminance Factor

-4° reading: 200X
Skewed 45° reading: 100X

Temperature Resistance

Continuous exposure: 350°F (177°C)
Intermittent exposure (30 min.): 500°F (260°C)

Features

- Lower price.
- Sticks to various surfaces.
- Accurate and reliable photoelectric sorting.
- Worry-free performance.
- Suitable for high volume.

Available Sizes

Available Widths

1/2 in. (1.27 cm), 3/4 in. (1.90 cm), 1 in. (2.54 cm), 2 in. (5.08 cm)

1/2 in. (1.27 mm)

Available Lengths

50 yds. (45.7 m)

200 yds. (183 m)

Custom widths and lengths available on request, subject to minimum order requirements.

Scotch® Photoelectric Scanning Tape

7800

Application Techniques	Automatic and manual dispensers are available to facilitate application of retroreflective tapes. Application should be made above 50°F (10°C), on a clean and dry surface. After application, Scotch® Photoelectric Scanning Tape 7800 will withstand a continuous ambient temperature of 350°F (177°C). These materials are designed for use in a relatively dry environment. Reflective quality will deteriorate if the reflective surface is contaminated with moisture, water, oil, solvents, etc.
Storage Conditions	Store in a cool, dry area, preferably at 70-75°F (20-24°C) and 30-50% relative humidity, and horizontally in shipping carton. Avoid pressure from stacking.
Shelf Life	Product should be applied within one year after purchase.
For Additional Information	To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550 or visit www.3M.com/packaging. Address correspondence to: 3M Industrial Adhesives and Tapes Division, Building 21-1W-10, 900 Bush Avenue, St. Paul, MN 55144-1000. Our fax number is 651-778-4244. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.
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ISO 9002

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9002 standards.

3M

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