Scotchlite™
High Gain Reflective Sheeting
7610

Technical Data **May, 2003**

Product Description

3M™ Scotchlite™ Sheeting 7610 is a high gain reflective industrial grade sheeting, exposed-lens, retroreflective, plastic-based material, pre-coated with a pressure-sensitive adhesive that is covered with a removable protective liner that offers very high retroreflective efficiency and small optical elements.

Construction

Color	Lens	Liner
Light gray	Exposed	Yes

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:	.004 in. (.010 cm)
Liner:	.006 in. (.015 cm)
Typical Luminance Factor	
-4° reading:	900X
Skewed 45° reading:	700X
Temperature Resistance	
Continuous exposure:	175°F (79°C)
Intermittent exposure (30 min.):	250°F (121°C)

Features

- Sealed-lens surface.
- Thin construction.
- Exceptional reflective gain.
- Ease of angularity.
- Ease of conformability.
- For various shaped items, including cylinders.
- Angularity allows pickup from moving objects.

Available Sizes

Widths:	1/2 in. (1.27 cm), 3/4 in. (1.90 cm), 1 in. (2.54 cm), 2 in. (5.08 cm),
Lengths:	50 yds. (45.7 m)

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

Application Ideas

- This industrial grade reflective sheeting is recommended for applications demanding very high retroreflective efficiency; however, its use is limited to manual application, since the material is too thin to perform in automatic application equipment.

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Application Techniques

Hand application is recommended, as the material is too thin to perform in application equipment.

Application may be made at temperatures as low as 10°F (-12°C) to a clean and dry surface; however, it is recommended that application be made at 60°F (16°C) to 80°F (27°C).

Avoid touching the reflective surface, since skin oils will reduce the retroreflective brightness. Brightness can be restored by cleaning with a soft cloth and a dilute solution of mild detergent in water.

The sheeting will remain serviceable for many years when properly applied to a suitable substrate and used in typical indoor or outdoor environments.

Use in a high temperature environment (above 350°F [177°C]) for an extended period of time could permanently reduce retroreflective efficiency.

Storage Conditions

3M™ Scotchlite™ High Gain Reflective Sheeting 7610 should be stored in a cool, dry area, preferably at 70-75°F (20-24°C) and 30-50% relative humidity, and horizontally in the 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

Industrial Business
Industrial Adhesives and Tapes Division
3M Center, Building 21-1W-10, 900 Bush Avenue
St. Paul, MN 55144-1000

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Printed in U.S.A.
©3M 2003 70-0710-0278-9 (5/03)

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Тел: +7 (812) 336 43 04 (многоканальный)
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