



Scotchlite™

High Intensity Sheeting

3870

Technical Data

May, 2003

Product Description 3M™ Scotchlite™ High Intensity Sheeting 3870 consists of optical lens elements adhered to a synthetic resin and encapsulated by a flexible transparent plastic that has a smooth outer surface.

Construction	Color	Lens	Liner
	Light gray with white hex pattern	Sealed	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:	.011 in. (.028 cm)
Liner:	.004 in. (.010 cm)

Typical Luminance Factor

-4° reading:	670X
Skewed 45° reading:	200X

Temperature Resistance

Continuous exposure:	150°F (66°C)
Intermittent exposure (30 min.):	150°F (66°C)

Features

- Sealed lens surface.
- High-intensity optical construction.
- Reflective surface protection.
- Resists dirt.
- High retroreflectivity.
- Superior performance.
- Will perform (in the vertical mode) in many outdoor conditions.
- Can be cleaned with a mild detergent and rinsed with water.
(Avoid pressure, which might scratch surface.)

Available Sizes

Widths: 1 in. (2.54 cm), 2 in. (5.08 cm), 3 in. (7.62 cm), 6 in. (15.24 cm)

Lengths: 50 yds. (45.7 m)

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

3M™ Scotchlite™ High Intensity Sheeting 3870

Application Techniques Manual dispensers are available to facilitate application of 3M™ Scotchlite™ High Intensity Reflective Sheeting 3870.

The pressure-sensitive adhesive is recommended for application by hand.

The material is designed for application to clean, smooth surfaces in temperatures above 50°F (10°C).

Storage Conditions Scotchlite Sheeting 3870 should be stored in a cool, dry area, preferably at 65-75°F (18-24°C) and 30-50% relative humidity.

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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