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3M

LED Potting Tape (Green)

851J

Technical Data

September, 2004

Product Description 3M™ LED Potting Tape 851J is a green polyester film tape with a unique adhesive system, which effectively seals and protects during the potting process of the manufacturing of LED faceplates.

Product Construction	Backing	Adhesive	Colors	Standard Roll Length
	Transparent Polyester	Blended Silicone and Rubber	Translucent Green	36 yds. (33 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:	30 oz./in. width (28 N/100 mm width)	D-3330
Tensile Strength:	29 lbs./in. width (398 N/100 mm width)	D-3759
Elongation at Break:	250%	D-3759
Backing Thickness:	1.2 mils (0.03 mm)	D-3652
Tape Thickness:	3.6 mils (0.09 mm)	D-3652

- Features**
- Can be applied by hand or automated machine.
 - Low shrink polyester film helps to improve optical quality of LED parts.
 - Provides the same sealing and protecting properties and produces the same matte finish as 3M™ LED Potting Tape 851.
 - Unique blended, high cure adhesive for no epoxy leakage and clean removal to improve productivity.
 - Reduce optical defects for improved epoxy finish and fewer rejected parts.
 - Ultra clean adhesive for reducing contamination and less rework.

- Application Ideas**
- Sealing and protection during LED potting process.

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Storage Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton.

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

For Additional Information To request additional product information or to arrange for sales assistance, call toll free 1-800-251-8634. Address correspondence to: 3M Electronics Markets Materials Division, Building 21-1W-10, 900 Bush Avenue, St. Paul, MN 55144-1000. Our fax number is 651-733-9175. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.

Product Use All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

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This Electronics Markets Materials Division product was manufactured under a 3M quality system registered to ISO 9001 standards.



Electronics Markets Materials Division

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©3M 2004 60-5002-0063-3 (9/04)