



# 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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851J

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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.

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

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**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.

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## Electronics Markets Materials Division

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