

# 3M

# Polyester Tape

## 853

### Technical Data

**Product Description** 3M™ Polyester Tape 853 can be used for many applications where solvent resistant and/or high shear properties are desired.

| Product Construction | Backing   | Adhesive | Color       | Standard Roll Length |
|----------------------|-----------|----------|-------------|----------------------|
|                      | Polyester | Acrylic  | Transparent | 72 yds. (66 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:             | 48 oz./in. width (52 N/100 mm)   | D-3330           |
| Tensile Strength at Break:     | 24 lbs./in. width (421 N/100 mm)   | D-3759           |
| Elongation at Break:           | 102%   | D-3759           |
| Backing Thickness:             | 0.9 mil (0.02 mm)  | D-3652           |
| Total Tape Thickness:          | 2.2 mils (0.05 mm)   | D-3652           |
| Water Vapor Transmission Rate: | 1.6 gms H <sub>2</sub> O/100 sq. in./24 hrs.<br>(24.8 g/m <sup>2</sup> 24 h) |                  |

### Features

- Can be qualified to meet Federal Spec. L-T-100B, Type I.
- Printable on the adhesive side and by the “Print Seal” method on the backing side.

### Application Ideas

- High tension splicing applications.
- Quality protective laminate.
- Solvent resistant masking.
- Tape hinge.

# 3M™ Polyester Tape

853

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**Storage** Store under normal conditions of 70°F (21°C) and 50% 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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**3M**

**Industrial Business  
Industrial Adhesives and Tapes Division**

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