

# 3M

# Duct Tape

## 3939

### Technical Data

June, 2005

**Product Description** 3M™ Duct Tape 3939 is composed of waterproof polyethylene film over cloth scrim backing with a rubber adhesive used for demanding duct tape applications.

| Product Construction | Backing                            | Adhesive | Colors | Standard Roll Length | Standard Roll Width                            |
|----------------------|------------------------------------|----------|--------|----------------------|------------------------------------------------|
|                      | Polyethylene film over cloth scrim | Rubber   | Silver | 60 yds. (54.8 m)     | 0.94, 1.89, 2.83, 3.78 in. (24, 48, 72, 96 mm) |

### 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:     | 55 oz./in. width (60 N/100 mm)                       | D-3330 |
| Tensile Strength:      | 25 lbs./in. width (438 N/100 mm)                     | D-3759 |
| Elongation at Break:   | 17%                                                  | D-3759 |
| Thickness:             | 9.0 mils (0.23 mm)                                   | D-3652 |
| Temperature Use Range: | Up to 200°F (93°C)                                   |        |
| Flammability:          | Meets UL 723<br>(Flame spread 0, Smoke developed 30) | E-84   |

### Features

- Offers easy tear and conformability.
- Meets UL 723, HUD, and BOCA codes.
- Low tack roll edges (48 mm) so edges stay cleaner for less surface contamination and less waste.
- Individual roll wrap (48 mm) that preserves integrity of the roll for less waste.
- Product number printed in core to insure that correct product is used.
- Polyethylene coated cloth scrim that resists moisture to prolong tape bond.
- Good tensile strength for tough applications.
- Rubber adhesive that adheres aggressively to most surfaces for good holding power and a tight seal.

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### Application Ideas

- Hanging polyethylene drapes for containment activities, industrial masking and sandblast overspray protection.
- Patching, reinforcing, bundling, moisture proofing, sealing, splicing, temporary repair.
- Taping and splicing insulation.
- Useful in the convention industry for holding and seaming carpet padding, taping down cords and hinging poster board panels.

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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 one year from date of manufacture.

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### 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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**ISO 9001:2000**

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.



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