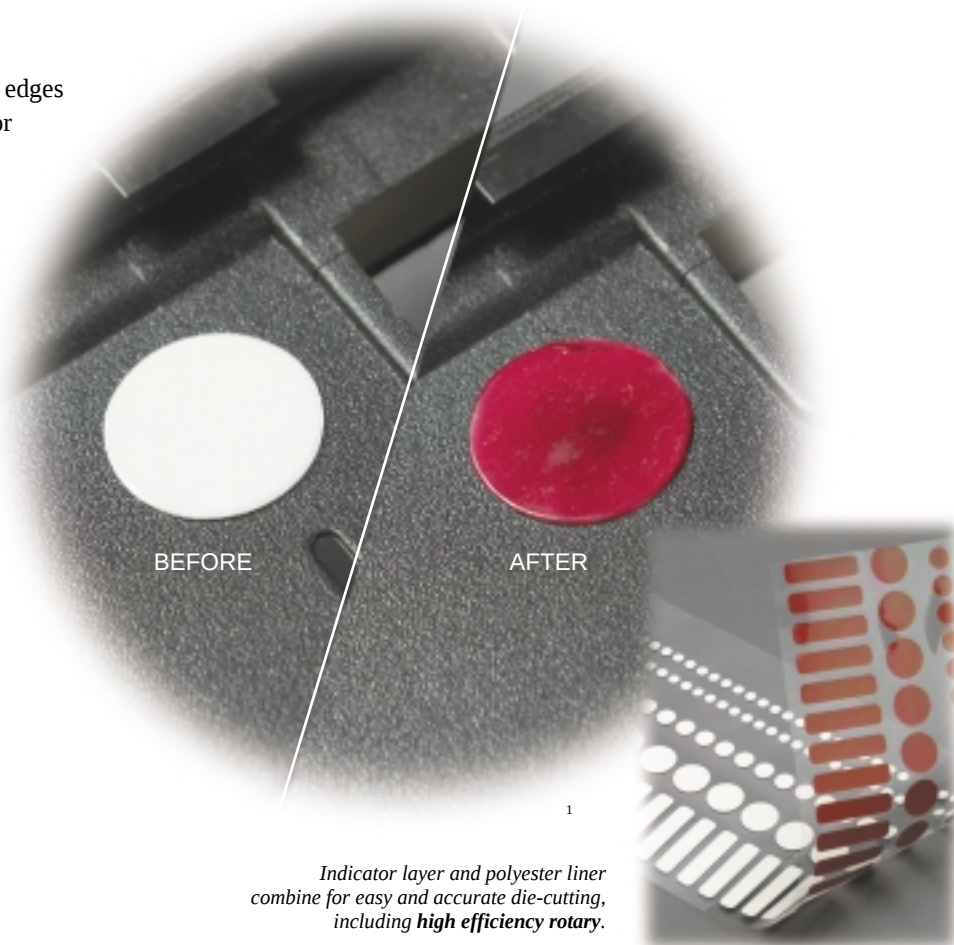




# Water Contact Indicator Tape 5557

Clear evidence of water damage to assist warranty claim resolution

When water contacts the edges of this tape, the tape color changes permanently from white to red. In electronic products ranging from mobile phones to MP3 players, you'll have clear evidence of water contact without false identification from high humidity.



*Indicator layer and polyester liner combine for easy and accurate die-cutting, including **high efficiency rotary**.*

Each layer of this multiple layer tape is engineered for specific performance.

#### **Indicator layer:**

- Absorbs water quickly and draws up color to be visible through transparent top film
- Withstands heat and humidity without changing color

#### **Transparent PET top film:**

- Thermal, flexographic, and screen print images on film show against white backing

- Protects indicator layer from soiling and moisture during handling

#### **3M™ acrylic adhesive:**

- Resists UV, chemicals, and temperature
- Bonds with high strength to most substrates including low surface energy plastics such as polypropylene and powder coatings

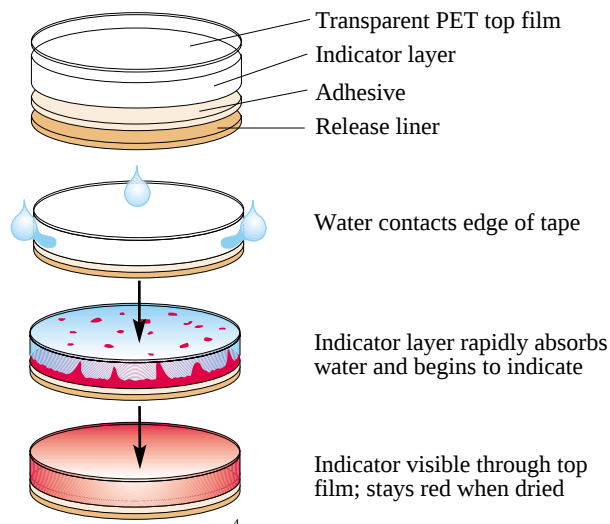
#### **Polyester liner:**

- Combines with indicator layer for die-cutting ease and accuracy

#### **Application ideas:**

- Mobile phones
- PDAs, personal communicators, and pagers
- MP3, game, and CD players
- 2-way radios and cordless phones
- Digital, film, and video cameras
- Laptop computers and keyboards
- Li-MH batteries and chargers
- Other portable electronic devices

# 3M™ Water Contact Indicator Tape 5557



## Product Construction

| Top Film  | Backing         | Adhesive | Color | Standard Roll Length |
|-----------|-----------------|----------|-------|----------------------|
| Polyester | Indicator Layer | Acrylic  | White | 12" x 180 yds        |

## Typical Physical Properties

**Adhesion, ozs/in** (ASTM-D3330, 90° Peel Adhesion, 72 hr dwell)  
 Stainless Steel: 82 ozs/in (88 N/100 mm)  
 Polycarbonate: 47 ozs/in (52 N/100 mm)

**Thickness** (ASTM D-3652):

Tape: 0.0090" (0.229 mm)  
 Release Liner: 0.0020" (0.051 mm)

**Humidity Resistance**<sup>1</sup> (55°C, 95% R.H.)

0 hrs exposure      7 days      After water contact



<sup>1</sup>Tape is applied to polycarbonate panel and hung vertically in heat/humidity chamber.

**Note:** The above technical information and data should be considered representative or typical only and should not be used for specification purposes.

## For additional product information or sales assistance, contact:

| ASIA PACIFIC                | Phone Number             | Website               |
|-----------------------------|--------------------------|-----------------------|
| 3M Asia Pacific Pte Ltd     | 65-450-8816              |                       |
| 3M Australia Pty, Ltd       | 61-2-9833-5333           | www.3m.com/au         |
| 3M China Limited            | 86-21-6275-3535          | www.3m.com/cn         |
| 3M Hong Kong Limited        | 852-2806-6387            | www.3m.com/hk         |
| Japan - Sumitomo 3M Limited | 81-3-3709-8261           | www.mmm.co.jp         |
| 3M Korea Limited            | 82-2-3771-4030           | www.3m.co.kr          |
| 3M Malaysia Sdn. Berhad     | 60-3-7806-3653           | www.3m.com/intl/my    |
| 3M New Zealand Limited      | 64-9-444-4760            | www.3m.com/nz         |
| 3M Philippines Inc.         | 63-2-813-3781            | www.3m.com/ph         |
| 3M Singapore                | 65-454-8611              | www.3m.com/sg         |
| 3M Taiwan Limited           | 886-2-2704-9011 ext. 318 | www.3m.com/tw         |
| 3M Thailand Limited         | 66-2-260-8577 ext. 302   | www.3m.com/th         |
| NORTH AMERICA               | Phone Number             | Website               |
| 3M Canada                   | 519-451-2500             | www.3m.com/ca         |
|                             | 1-800-364-3577           |                       |
| 3M Mexico                   | 52-52-70-04-00           | www.3m.com/mx         |
| 3M USA                      | 651-737-6501             | www.3m.com/eadhesives |
|                             | 1-800-364-3577           |                       |

| EUROPE            | Phone Number    | Website       |
|-------------------|-----------------|---------------|
| 3M Austria        | 43-1-866860     | www.3m.com/at |
| 3M Belgium        | 32-2-7225111    | www.3m.com/be |
| 3M Czech Republic | 420-2-61380111  | www.3m.com/cz |
| 3M Denmark        | 45-43-480100    | www.3m.com/dk |
| 3M East           | 41-41-7994040   | www.3m.com/ch |
| 3M Finland        | 358-9-5252452   | www.3m.com/fi |
| 3M France         | 33-1-30-316161  | www.3m.com/fr |
| 3M Germany        | 49-2131-140     | www.3m.com/de |
| 3M Ireland        | 353-1-2803555   | www.3m.com/ie |
| 3M Israel         | 972-9-9561490   |               |
| 3M Netherlands    | 31-71-5450450   | www.3m.com/nl |
| 3M Norway         | 47-63-847500    | www.3m.com/no |
| 3M Spain          | 34-91-3216000   | www.3m.com/es |
| 3M Sweden         | 46-8-922100     | www.3m.com/se |
| 3M Switzerland    | 41-1-7249090    | www.3m.com/ch |
| United Kingdom    | 44-870-6080-050 | www.3m.com/uk |

**IMPORTANT NOTICE:** 3M MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of application. Please remember that many factors can affect the use and performance of a 3M product in a particular application. The materials to be bonded with the product, the surface preparation of those materials, the product selected for use, the conditions in which the product is used, and the time and environmental conditions in which the product is expected to perform are among the many factors that can affect the use and performance of a 3M product. Given the variety of factors that can affect the use and performance of a 3M product, some of which 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.

**LIMITATION OF REMEDIES AND LIABILITY:** If the 3M product is proved to be defective, THE EXCLUSIVE REMEDY, AT 3M'S OPTION, SHALL BE TO REFUND THE PURCHASE PRICE OF OR TO REPAIR OR REPLACE THE DEFECTIVE 3M PRODUCT. 3M shall not otherwise be liable for any loss or damages, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including but not limited to contract, negligence, warranty, or strict liability.



## Industrial Markets

3M Center  
 St. Paul, MN 55144-1000  
[www.3M.com/eadhesives](http://www.3M.com/eadhesives)



40% Pre-consumer waste paper  
 10% Post-consumer waste paper

Printed in U.S.A.  
 © 3M 2002  
 78-9236-7071-1