

3M™ Water Contact Indicator Tape 5557NA

Product Description

3M™ Water Contact Indicator Tape 5557NA is a 7.6 mil (193 micron) printable product that shows area specific, long lasting indication when contacted by water. When liquid containing water comes in contact with the product, the color rapidly changes from white to red.

Features and Benefits

Film Top Layer

- Printable by thermal transfer, flexographic, and screen printing methods
- Provides improved ink receptivity
- Provides protection from soiling and moisture during handling

Paper Backing

- Highly absorbent, transports water to show indications

Total Construction

- Rotary die cuttable
- No adhesive

Product Construction

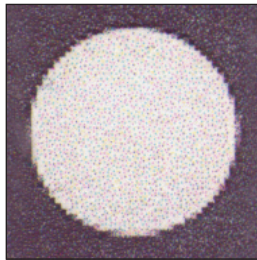
3M™ Water Contact Indicator Tape 5557NA	
Backing	Paper
Top Film	Polyester
Adhesive	None
Color	White
Standard Roll Length	180 yards



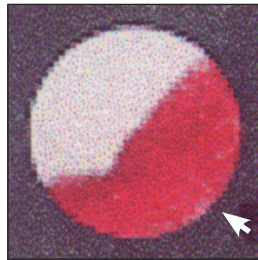
Typical Physical Properties

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

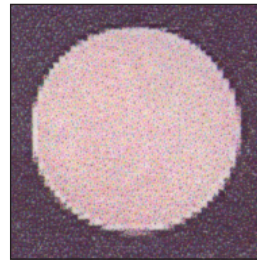
Property	Value	ASTM Test Method
Tape Thickness:	7.6 mil (0.19304 mm)	D-3652
Humidity Resistance:*		



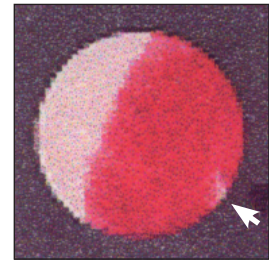
Control, t = 0 days



Control, t = 0 days
Indicator w/1 drop H₂O for
one minute at arrow.



7 days @ 55°C, 95% R.H.



7 days @ 55°C, 95% R.H.
indicated w/1 drop H₂O for
one minute at arrow.

*Tape is applied to polycarbonate panel and hung vertically in heat/humidity chamber.

General Information

- Maximum roll length depends upon width.
- Maximum roll width = 12 in. (304.8 mm).
- Temperature resistance is -40°C to 65°C for days or weeks and up to 121°C for minutes or hours.

Application Ideas

- Use as a water contact indicator in handheld or portable electronic devices such as smart phones, tablets and phablets, laptop computers and keyboards, wearable electronic devices, gaming and MP3 players, two-way radios and cordless phones, digital and video cameras, Li-MH batteries and chargers.
- Other applications where positive indication of water or aqueous solution contact is desired.

Key Attributes

Features	Benefits
Film Top Layer	Printable by thermal transfer, flexographic, and screen printing methods. Can be used for identification. Top coated film for improved ink receptivity. Provides protection from soiling and moisture during handling. Indication remains after prolonged immersion.
Paper Backing	Highly absorbent, quickly transports water to show indications. Does not falsely indicate water contact in high humidity environments. Performance not degraded by past high humidity exposures.

Storage and Shelf Life

The shelf life of 3M™ Water Contact Indicator Tape 5557NA is 12 months from the manufacture date when stored in original cartons at 21°C (71°F) and 50% relative humidity.

Regulatory

For regulatory information about this product, contact your 3M representative.

Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

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