

# Scotch®

# 3M

## Security Message Box Sealing Tape

### 3199

**Technical Data**

**January, 2011**

#### Product Description

Scotch® Security Message Box Sealing Tape 3199 is a performance packaging tape used specifically where the security of the carton contents is a concern. The printed design along with the message make it easier to note when a package has been opened. Additionally, this product has a conformable backing and a consistent pressure sensitive acrylic adhesive system. This time-proven construction assures a reliable performance in a range of environments and applications.

#### Product Construction

Backing	Adhesive	Color
Biaxially orientated polypropylene film	Pressure sensitive acrylic resin	Clear with red printed message

#### 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:	22 oz./in. width (24 N/100 mm)	D-3330
Tensile Strength:		D-3759
Machine Direction	25 lbs./in. width (438 N/100 mm)	
Cross Direction	40 lbs./in. width (700 N/100 mm)	
Elongation at Break:	125%	D-3759
Thickness:		D-3652
Backing	1.1 mil (0.028 mm) nominal	
Total	2.05 mil (0.052 mm) nominal	

#### Features

- Clear with red printed lines and message, “Check Seal Before Accepting.”
- Diagonal lines and printed message makes it easier to notice when a package has been opened and resealed.
- Adheres to a variety of surfaces.
- Conformable backing with edge tear and split resistance.
- Good aging in sunlight or fluorescent lighting.
- Reliable closures.
- Long life in use.
- Excellent cold temperature performance.

#### Available Sizes

Standard Width:	48 mm
Core Size:	3 inch
Lengths:	100 m and 914 m

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**Application Techniques** An extensive line of application equipment is available. Scotch® Security Message Box Sealing Tape 3199 has been applied to fiberboard boxes with good results at refrigeration temperatures of 32° to 50°F (0° to 10°C). Once applied Scotch® Tape 3199 performs well on fiberboard boxes subjected to temperatures below 32°F (0°C).

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**Storage Conditions** Store in a clean, dry place. Temperature of 40-80°F (4-26°C) and 40 to 50% relative humidity are recommended.

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

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**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.

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**ISO 9001:2008**

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2008 standards.

**3M**

**Industrial Adhesives and Tapes Division**

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