

# 3M™ Static Dissipative Heat Activated Cover Tape 2671A

Technical Data – January 2007

## Product Description

3M™ Static Dissipative Heat Activated Cover Tape 2671A is transparent, two-sided static dissipative, polyester film tape with heat activated adhesive. 3M Cover Tape 2671A is designed to seal electrical and electronic components into 3M™ Conductive Polycarbonate Carrier 3000. It can also be used on some other types of carriers.

### Construction

#### Backing

Transparent  
Film

#### Adhesive

Heat-Activated,  
Synthetic polymer



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## Available Widths

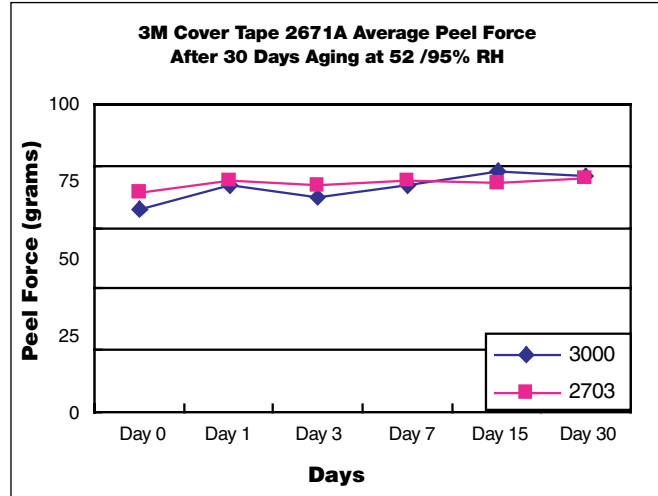
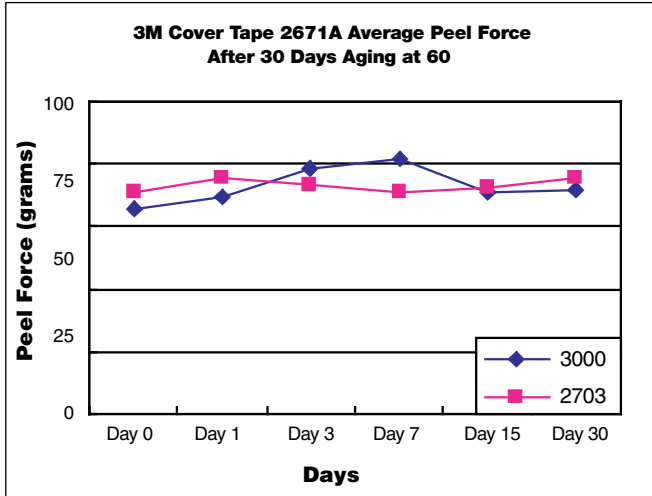
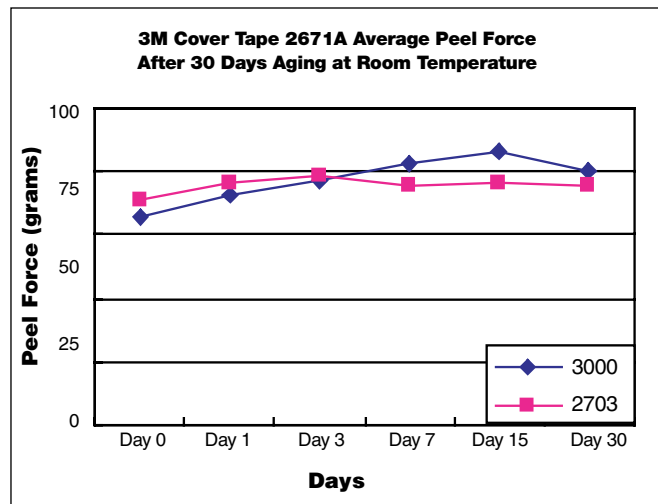
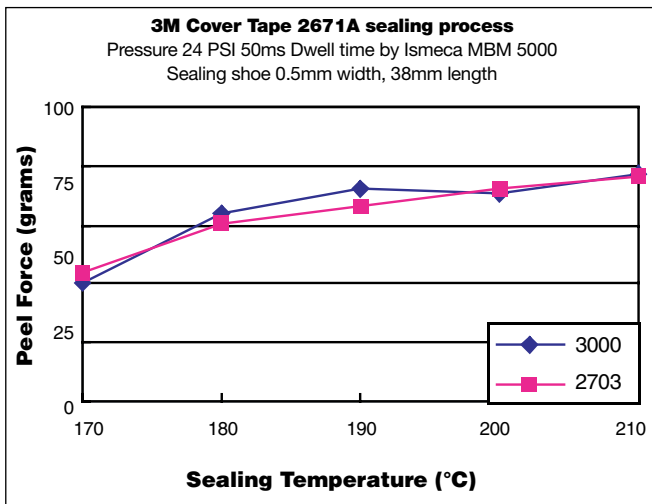
Cover Tape 2671A is available in the standard widths listed below:

Standard Sizes, (mm) Width							
Carrier*	8	12	16	24	32	44	56
Cover Tape	5.4	9.3	13.3	21.3	25.5	37.5	49.4
Roll Length	480 meters						
Roll Diameter	204 mm						
Core	Plastic (Pink)						
Core Inner Diameter	76.55 mm						

\* per EIA-481-C Standard

## Initial Adhesion and Aging Data

3M™ Static Dissipative Heat Activated Cover Tape 2671A has a simple process window. Desirable initial peel force values can be achieved through the application of adequate heat and pressure to the non-adhesive surface of the cover tape over the desired seal area. The following charts depict the typical process and aging characteristics of 3M Cover Tape 2671A after sealing to 3M Carrier tapes.



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

## Storage Conditions

Cover Tape 2671A should be stored indoors, in its original packaging, in a controlled climate environment not exceeding 33°C (91°F) and 70% relative humidity. The product should be protected from direct sunlight and should be used on a “first-in, first-out” basis.

## Shelf Life

It is recommended that Cover Tape 2671A be used one year from the date of manufacture when stored according to the recommended storage condition.

Description		Units	Typical Performance	Test Notes	Test Method
<b>Material Properties</b>	Backing Type		Polyester		
	Adhesive Type		Heat Activated		
	Sealing Temp	°C	170~210	1	
<b>Physical Properties</b>	Tensile Strength	MPa	>65	2	JIS K-7127
	Elongation	%	>100		JIS K-7127
	Transmittance	%	>70	3	JIS K-7136
	Haze	%	<35	3	JIS K-7136
	Thickness	mm	0.045		
<b>Electrical Properties</b>	Resistivity (Backing)	Ohms/sq	< 10 <sup>10</sup>	4	JIS K-6911
	Resistivity (Adhesive)	Ohms/sq	< 10 <sup>09</sup>	4	JIS K-6911

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

#### Test Notes:

- Sealing temperature will depend upon a number of factors including sealing equipment, dwell time, pressure and carrier material.
- JIS K-7127 No. 4 test piece, sample width: 15 mm, tensile rate: 200 mm/min.  
Tensile tests are conducted at 23°C, 50% RH, in the machine direction of the polyester film.
- Optical properties are measured using light transmission equipment.
- JIS K-6911 voltage: 500V measuring time: 60 sec.  
Resistivity is measured after conditioning for 24 hours at 23°C, 50% RH.  
Backing resistivity specifications:  $1 \times 10^{08} < R_s < 1 \times 10^{10}$  Ohms/sq.  
Adhesive resistivity specifications:  $1 \times 10^{07} < R_s < 1 \times 10^{09}$  Ohms/sq.

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