

3M

Static Dissipative Heat Activated Cover Tape 2671

Technical Data – (December, 2006)

Product Description

3M™ Static Dissipative Heat Activated Cover Tape 2671 is transparent, two-sided static dissipative, polyester film tape with heat activated adhesive. 3M Cover Tape 2671 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
Polyester film

Adhesive

Heat-Activated,
Synthetic polymer

Available Widths

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

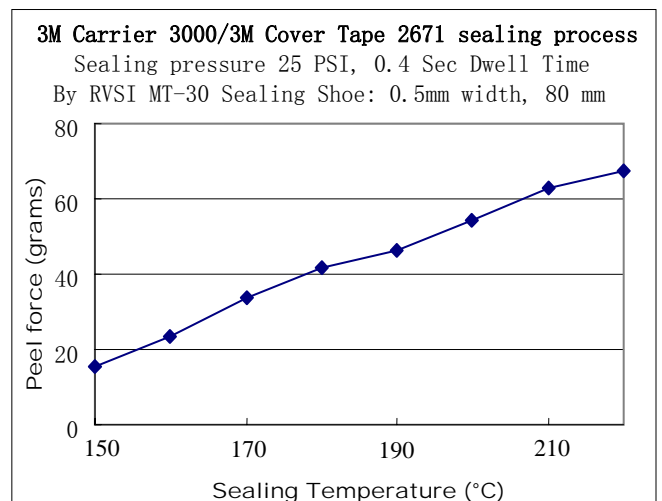
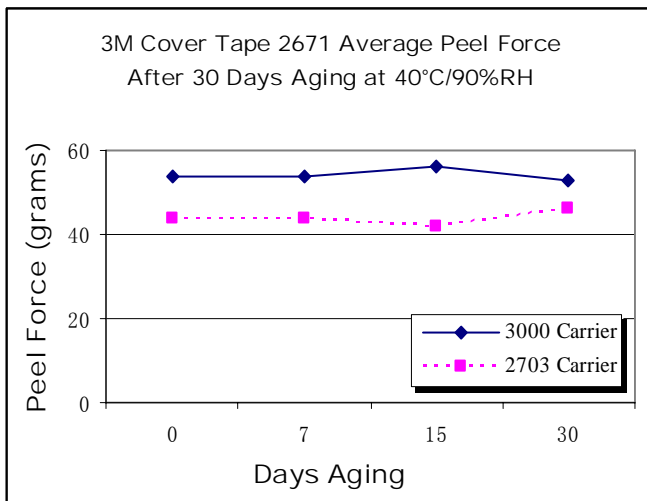
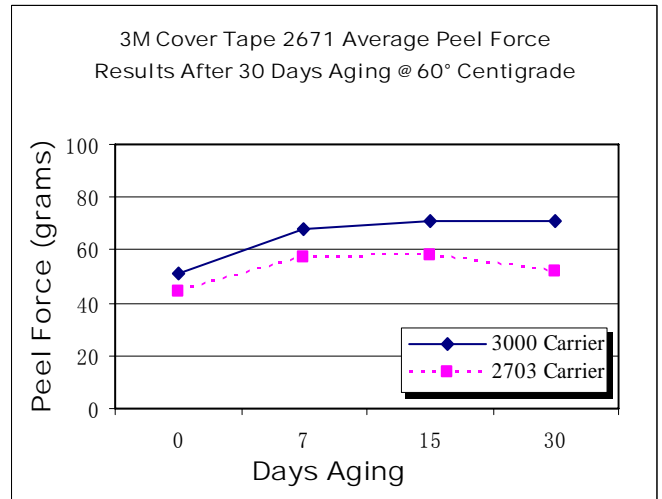
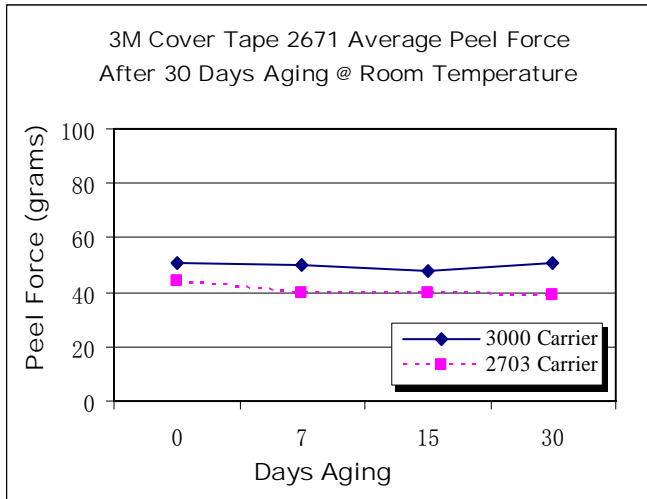
Standard Sizes, (mm) Width

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	204mm						
Core	Plastic (Pink)						
Core Inner Diameter	76.55mm						

* per EIA-481-C Standard

Initial Adhesion and Aging Data

3M™ Static Dissipative Heat Activated Cover Tape 2671 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 2671 after sealing to 3M Carrier tape.



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 2671 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 2671 be used within one year from the date of manufacture when stored according to the recommended storage conditions.

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Description	Units	Typical Performance	Test Notes	Test Method
Material Properties	Backing Type Adhesive Type Sealing Temp	Polyester Heat Activated 180~220	1	
Physical Properties	Tensile Strength Elongation Transmittance Haze Thickness	MPa % % % mm	>50 >75 >75 <50 0.052	2 JIS K-7127 3 JIS K-7136 3 JIS K-7136
Electrical Properties	Resistivity (Backing) Resistivity (Adhesive)	Ohms/sq Ohms/sq	$10^8 \sim 10^{11}$ $10^7 \sim 10^9$	4 JIS K-6911 4 JIS K-6911

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Test Notes

1. Sealing temperature will depend upon a number of factors including sealing equipment, dwell time, pressure and carrier material.
2. 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.
3. Optical properties are measured using light transmission equipment.
4. 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: $1 \times 10^8 < R_s < 1 \times 10^{11}$ Ohms/sq.
Adhesive resistivity specifications: $1 \times 10^7 < R_s < 1 \times 10^9$ Ohms/sq.

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