

3M™ Static Dissipative Heat Activated Cover Tape 2675

Product description

3M™ Static Dissipative Heat Activated Cover Tape 2675 is a transparent, two sided static dissipative, polyester film tape with a heat activated adhesive. 3M tape 2675 seals electrical and electronic components into 3M's family of polycarbonate carrier tapes. It also works well with certain other embossed carrier tapes.

Construction

Backing	Adhesive
Clear polyester film	Heat-activated, synthetic polymer

Available widths

3M cover tape 2675 is available in the standard sizes listed below:

Standard sizes	Widths (mm)						
Carrier tape	8	12	16	24	32	44	56
Cover tape*	5.4	9.3	13.3	21.3	25.5	37.4	49.4

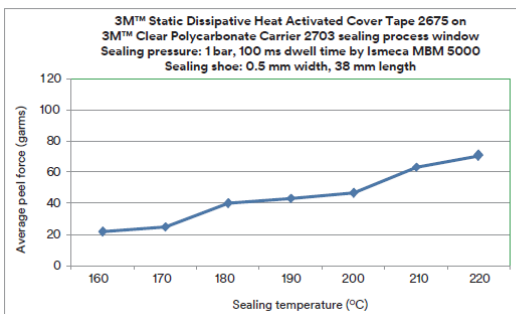
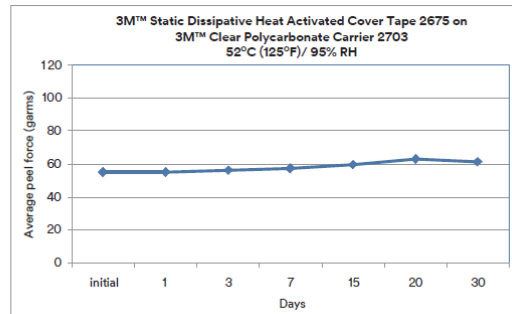
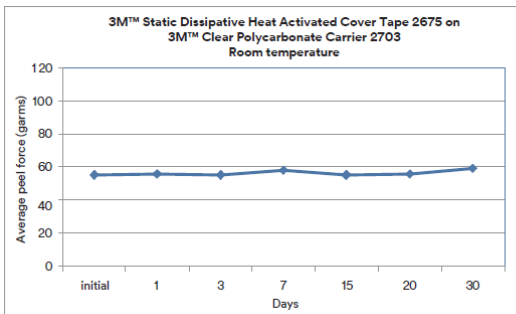
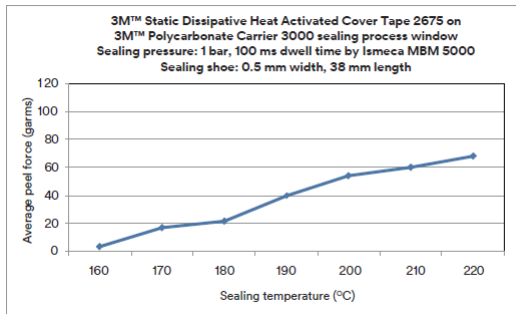
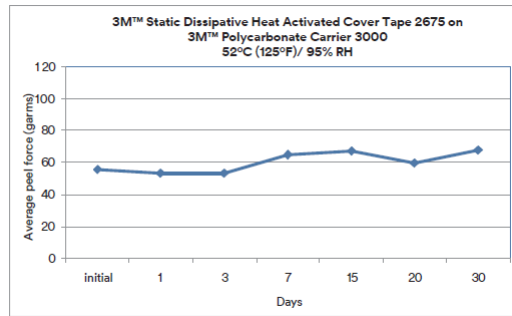
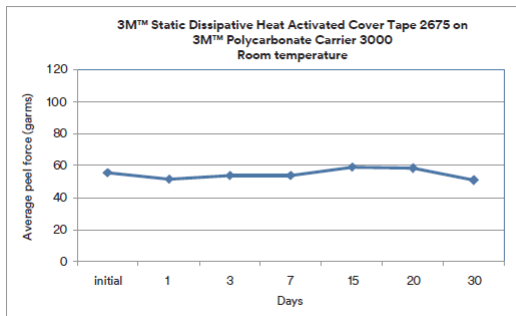
* per EIA-481-E Standard

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Initial adhesion and aging data

3M™ Static Dissipative Heat Activated Cover Tape 2675 has a simple process window. Desirable initial peel force values can be achieved with the application of adequate heat and pressure to the non-adhesive surface of the cover tape over the preferred seal area. The following charts depict the typical process and aging characteristics of 3M cover tape 2675 after sealing to 3M™ Carrier Tapes.

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



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Typical Physical Properties and Performance Characteristics

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes. Final product specifications and testing methods will be outlined in the **product's** Certificate of Analysis (COA) that is provided once the product is approved by 3M for general commercialization and development work is completed.

Description	Units	Typical performance	Test notes	Test method	
Material properties	Backing Type	Polyester			
	Adhesive Type	Heat activated			
	Sealing Temp	°C	170-220	1	
Physical properties	Tensile Strength	Mpa	50	2	Modified ASTM-D3759
	Elongation	%	100	2	Modified ASTM-D3759
	Haze	%	29.5	3	ASTM-D1003
	Clarity	%	80.6	3	ASTM-D1003
	Transmission	%	85.5	3	ASTM-D1003
	Thickness	mm (in)	0.062 (0.0024)	2	Modified ASTM-D3652
Electrical properties	Resistance (Back side)	Ohms	1.0 x 10 ¹⁰	4	3M Internal Method
	Resistance (Component side)	Ohms	1.0 x 10 ¹⁰	4	3M Internal Method
Product format	Core type	Material	Plastic		
	Core inner diameter	mm (in)	76.45 (3.0)		
	Roll diameter	mm (in)	219 (8.62)		
	Roll length	m (yd)	480 (525)		

Test notes

1. Sealing temperature will depend on a number of factors including sealing equipment, dwell time, pressure and carrier material.
2. Tensile tests and thickness measurement are conducted at 21°C (70°F), 70% RH, in the machine direction of the polyester film.
3. Optical properties are measured using the BYK-Gardner Haze- Guard Plus Transmission Meter, Model 4725
4. Resistance is measured at room temperature by resistance meter using 3M internal test method @ 23°C/ below 70% RH

Storage conditions and shelf Life

The shelf life of 3M™ Static Dissipative Heat Activated Cover Tape 2675 is two years from the date of manufacture when stored in the original packaging materials and stored in a controlled climate environment ranging 22°C - 28°C (72°F - 82°F) and not exceeding 70% relative humidity. The product should be protected from direct sunlight and should be used on a "first-in, first-out" basis.

Certificate of Analysis (COA)

The 3M Certificate of Analysis (COA) for this product is established when the product is manufactured and deemed commercially available from 3M. The COA contains the 3M test methods, specifications limits and test results for the product's performance attributes that the product will be supplied against. Contact your local 3M representative for this product's COA.

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

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