

TC810

Thermally Conductive Adhesive Tape

Technical Data

Test Item	Unit	Value	Test Method	
Thickness	mm	0.2	/	
Color	/	White	/	
Thermal impedance	C-in. ² /W	0.9	/	
Thermal conductivity	w/m-k	0.8	ASTM C-177	
Specific gravity	g/cc	1.07	/	
Surface resistance	$\Omega \cdot \text{cm}$	1.6×10^{11}	ASTM D-177	
Volume resistance	$\Omega \cdot \text{cm}^3$	3.9×10^{11}	ASTM D-2577	
Electrolyte strength	V/mil	668Volts/in(UL-746A*)	ASTM D-149	
Dielectric properties	MHz	100	ASTM D-150	
Dielectric constant	/	3.2	ASTM D-150	
90° peel off (Al plate)	15min	room temperature	46	Test method of 3M
		65°C	72	
	72hrs	room temperature	75	
		65°C	88	
Shear strength	1000g,room temperature lin^2		PASS	Hung for 1 week
	500g,room temperature lin^2		PASS	
Heat aging properties	/	GOOD	UL-746C	

●Shelf Life & Storage Conditions

Tape in roll form: Shelf life 12 months from the date of manufacture when stored in original cartons at 20°C and 50% relative humidity.

Ideal tape application temperature range is 21°C to 38°C.

Notes: The information contained in this data sheet is intended to assist you in designing with Incheng adhesive tape. The technical information and data should be considered representative or typical only. It is not intended to and does not create any warranties, express or implied, including any warranty of merchantability or fitness for particular purpose or that the results shown on this data sheet will be achieved by user for a particular purpose. The user should determine the suitability of Incheng adhesive tape for each application.

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