

THERMAL CONDUCTIVE ACRYLIC TAPE

T10



T10 is an electrically isolating thermal adhesive tape designed to mechanically fix and thermally connect electronic devices and FR4 PCBs to a heatsink. Formulated from acrylic, T10 is pressure sensitive and the differing thicknesses conform to varying surface textures which fills micro-air voids between contact surfaces and reduces thermal resistance. T10 is developed for applications requiring good thermal transfer, dielectric strength and permanent adhesion.

Properties	Unit	T10-25	T10-50	Test Method
Base material	-	Acrylic Ceramic filled free standing tape	Acrylic Ceramic filled free standing tape	-
Tested thickness	mm	0.25	0.50	-
Color	-	White	White	Visual
Thickness tolerance	%	10	10	-
Thermal Properties				
Thermal conductivity	W/mK	1.0	1.0	ASTM D5470
Operating temperature	°C	-25 up to 130	-25 up to 130	-
Electrical Properties				
Breakdown voltage	kV	>6000	V	ASTM D149
Dielectric Strength	KV/0.5mm	3.0	6.0	ASTM D149
Mechanical Properties				
Tensile strength	Kg/cm	0.1	0.1	BS 3924
Elongation	%	550	550	BS 3924
Peel Adhesion	(Kg/25mm) 30min R.T.	1.4	1.6	BS 3924
Shear adhesion	Kg/cm ²	3.5	4.0	ASTM D-1002
Adhesive		Double sided	Double sided	
Physical Properties				
Flame rating	UL94	V0	V0	-
Standard thicknesses	mm	0.25	0.50	-

T10-50-A2-L1

T = Tape / 10 = 1W/mK / 50 = 0.50mm thickness / A2 = Adhesive on both sides / L1 = liner on one side