

THERMAL CONDUCTIVE TAPE

T03



T03 is a thermally conductive double-side structural pressure sensitive adhesive tape, formulated to fix two surfaces together that require excellent thermal connection and a strong bond. For effective heat transfer T03 is constructed from a thin metal foil, coated with thermal adhesive on each side delivering a non-electrically isolating connection. T03 delivers a permanent bond and reduces thermal resistance by filling micro-air voids at the interface

Properties	Unit	T03	Test Method
Base material	-	Aluminum foil with thermal conductive synthetic adhesive	-
Tested thickness	mm	0.16	-
Color	-	White	Visual
Thickness tolerance	%	10	-
Thermal Properties			
Thermal conductivity	W/mK	0.3	ASTM D5470
Thermal resistance (TO -3)	°C/W	0.56	ASTM 412
Operating temperature	°C	-20 to 155	In house
Electrical Properties			
Breakdown voltage	kV	-	-
Dielectric Strength	KV/0.5mm	-	-
Mechanical Properties			
Tensile strength	N/cm	37.5	ASTM 412
Adhesive strength	N/cm	5.5	ASTM 412
Elongation	%	8	ASTM 412
Peel Adhesion	(Kg/25mm) 30min R.T.		-
Shear adhesion	Kg/cm ²		-
Adhesive coating		Double sided	-
Physical Properties			
Flame rating	UL94	HB	-
Standard thicknesses	mm	0.16	-

Information furnished by Thal Technologies regarding technical data is believed to be accurate and reliable but our customers bear the responsibility in assessing fitness for purpose. Thal Technologies makes no warranties as to the fitness, merchantability or suitability of any materials or products for any uses. Thal Technologies shall not be liable for damages of any kind.