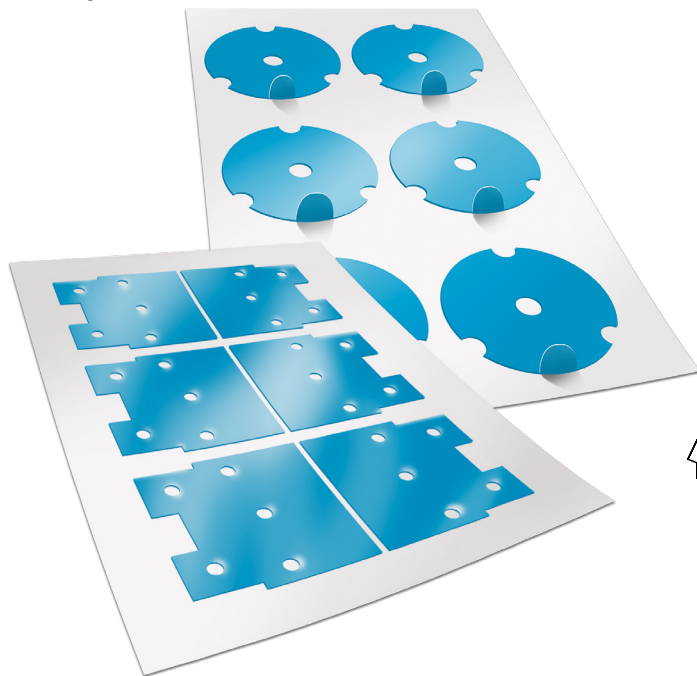


## Thermal TAPE®

### High Performance Thermal Attachment Tapes



#### Description

ThermalTAPE® is a thermally conductive double sided adhesive tape with a very high mechanical strength and good thermal transfer performance. It is made from a fiber glass base combined to ceramic nanoparticles. ThermalTAPE® uses an acrylic PSA Adhesive with superior adhesion properties and can be used on a wide variety of substrates such as aluminum, plastics, PMMA, etc.



#### Features

- High mechanical and adhesive strength to attach heat-sinks to aluminum or FR4 PCBs, replacing screws, holders and fasteners
- Electrically Insulating
- RoHS and REACH compliant
- Good thermal conductivity



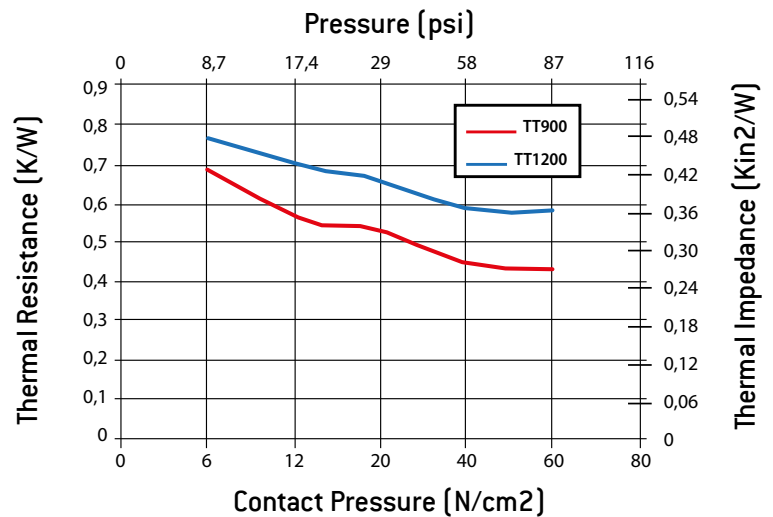
#### Supply Formats

- Rolls from 0,20" to 39" width and 82 ft long
- Liner on single or both sides
- Die-cut parts



## Applications

- LED Modules
- Linear LED Fixtures
- Attachment of heat generating components
- Automotive Industry
- Heat Sensors



## Typical Properties

Property	Standard	Unit	TT900	TT1200
Color	-	-	White	White
Fillers	-	-	Ceramic	Ceramic
Thickness	-	mm/inches	0,25/0,010"	0,50/0,020"
Volume Resistivity	-	ohms.cm	> 10 <sup>12</sup>	> 10 <sup>12</sup>
90° Peel Test (@ 60°C)	-	/25mm	> 2.650	> 4.250
Adhesion Strength	-	N/25mm	> 18,0	> 18,0
Dielectric Strength	ASTM D149	Kv/mm	> 4,0	N.A.
Thermal Impedance	AMD2240	°C.in <sup>2</sup> /W	0,85	1,19
Thermal Conductivity	ASTM D22470	W/m.k	> 1,0	> 1,0
Thermal Resistance	-	°C	-20 to 120	-20 to 120

- THERMALtape should not be used on low energy surfaces, such as aluminum profiles with powder or electrostatic paint. In these cases, masking is required on the mounting surface;
- For maximum performance, please refer to THERMALtape Application Notes ([Application Note](#));
- The end user should perform the necessary tests to guarantee that the product fullfills the application's technical requirements.