

## KEY FEATURES

### PRODUCT FEATURES:

- ≡ Electrically insulating
- ≡ Non-silicone, non-reactive, non-curing system with no resin-filler separation
- ≡ High thermal stability, with continuous operation up to 150°C
- ≡ High thermal conductivity (20W/mK)
- ≡ Easy pick and place application (naturally sticky) without residue/mess
- ≡ Highly compressible to minimize contact resistance without high force and component stress



## PRELIMINARY TECHNICAL SPECIFICATIONS

Test	Description	Min	Max
Thermal Conductivity *	ASTM D5470	20 W/mK	
Thermal Impedance vs Pressure **	ASTM D5470	0.99 °C-cm <sup>2</sup> /W (0.153°C-inch <sup>2</sup> /W) @10 psi 0.59 °C-cm <sup>2</sup> /W (0.092 °C-inch <sup>2</sup> /W) @30 psi	
Continuous Use Temperature	Thermexit In-House Method	-40°C	150°C
Storage Temperature/Shelf Life	Thermexit In-House Method	10-40°C for 12 months	
Total Mass Loss/TGA *	ASTM E595 / Thermal stability (TGA)	<0.2% @150°C	
Hardness *	ASTM D2240	77 Shore 00	87 Shore 00
Compression-Deflection ***	ASTM D5470/ASTM C165	17% at 30psi	
Electrical Resistance *	ASTM D257, volume resistivity	1x10 <sup>14</sup> Ohm-cm	
Dielectric Constant /Dielectric Loss *	ASTM D150/Thermexit In-House Method	4.73* / 0.009 @ 1MHz	
Dielectric Strength (Voltage Breakdown) *	ASTM D149	200 (7875) Vac/mil (Vac/mm)	
Length	Major axis of the pad footprint, +/-10%	5mm	50mm
Width	Minor axis of the pad footprint, +/-10%	5mm	50mm
Thickness	Thickness of the pad, +/-10%	0.5mm	5mm
Density (Specific Gravity) *	ASTM D0792	1.71 g/mL	
Standard Color	Thermexit In-House Method	White	

Standard sizes are 20mm x 20mm or 50mm x 50mm. Custom sizes available upon request.

\*Preliminary Data, \*\*0.5mm thickness: additional data available, \*\*\*2mm thickness; additional data available

### Disclaimer

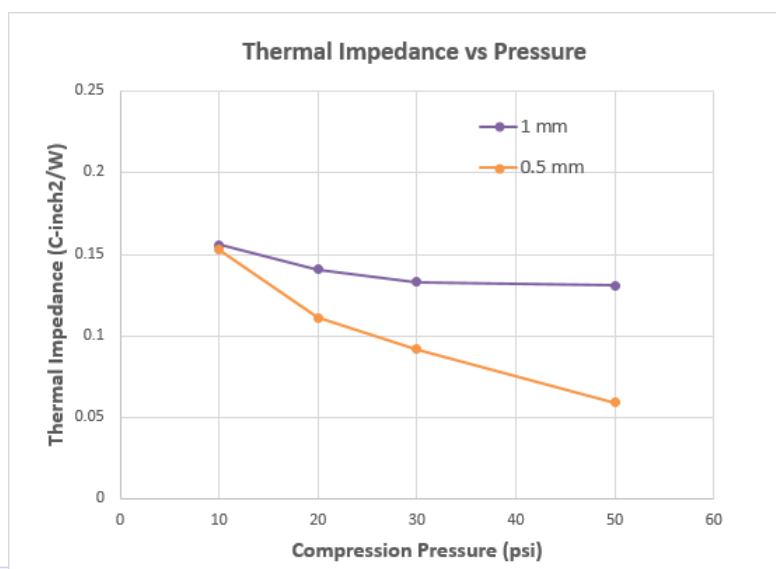
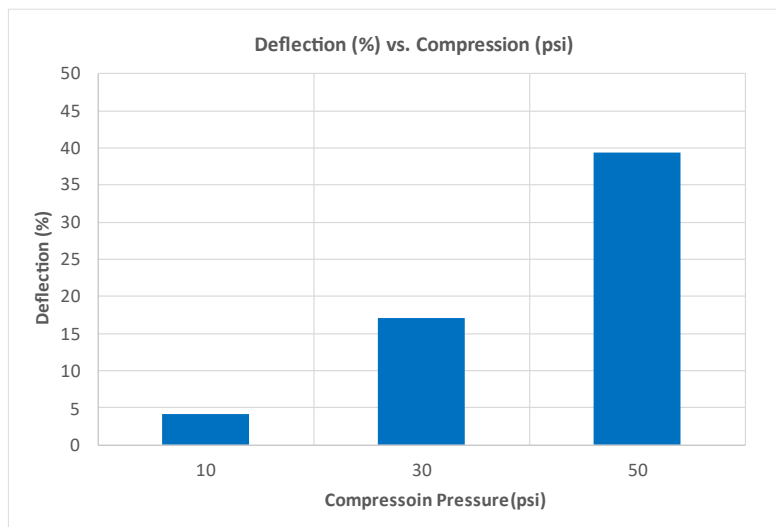
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## TYPICAL APPLICATIONS

### MARKET APPLICATIONS

- ☰ Consumer electronics
- ☰ Power supplies
- ☰ Automotive electronics
- ☰ LED, LCD and optical displays
- ☰ Motor controls
- ☰ High power density semiconductors
- ☰ Batteries or energy storage devices



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