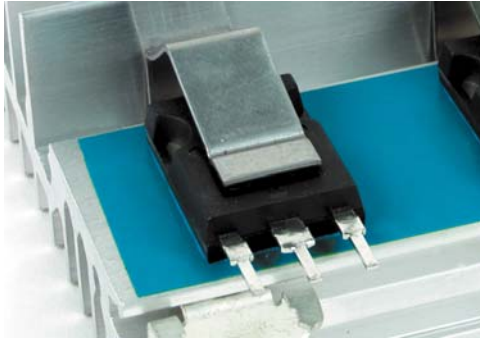


High Thermal Performance with inherent Soft Tack, Electrical Insulator

Features and Benefits

- Thermal impedance
0.30°C-in²/W (@50 psi)
- Inherent surface tack on both sides
- Pad is re-positionable
- Excellent thermal performance
- Electrically isolating
- Auto-Placement
- Auto-Dispensable



Bergquist Sil-Pad 1500ST (Soft Tack) is a fiberglass reinforced thermal interface material that has an inherent tack on both sides. Sil-Pad 1500ST exhibits superior thermal performance when compared to the competitors' thermal interface materials. Sil-Pad 1500ST is supplied on two liners for exceptional auto-dispensing and auto-placement in high volume assemblies. Sil-Pad 1500ST is intended for placement between electronic power devices and its heatsink.

Typical Properties of Sil-Pad 1500ST						
Property	Imperial Value	Metric Value	Test Method			
Color	Blue	Blue	Visual			
Reinforcement Carrier	Fiberglass	Fiberglass	***			
Thickness, (inch) / (mm)	0.008	0.20	ASTM D374			
Continuous Use Temp., (°F) / (°C)	302	150	***			
Electrical	Imperial Value	Metric Value	Test Method			
Dielectric Breakdown Voltage, (VAC)	3000	3000	ASTM D149			
Dielectric Constant, (1000 Hz)	6.1	6.1	ASTM D150			
Volume Resistivity, (Ohm-meter)	>10 ¹¹	>10 ¹¹	ASTM D257			
Flame Rating	94 V-O	94 V-O	U.L.			
Thermal	Imperial Value	Metric Value	Test Method			
Thermal Conductivity, (W/m-K) (1)	1.8	1.8	ASTM D5470			
Thermal Impedance vs. Pressure						
	Pressure (psi)	10	25	50	100	200
TO-220 Thermal Performance, (°C/W)		1.54	1.52	1.51	1.49	1.46
Thermal Impedance, (°C-in ² /W) (2)		0.65	0.41	0.30	0.24	0.22

1). This is the measured thermal conductivity of the Sil-Pad compound.

2). The ASTM D5470 (Bergquist Modified) test fixture was used. The recorded value includes interfacial thermal resistance. These values are given to the customer for reference only. Actual application performance is directly related to the surface roughness, flatness and pressure applied.

Typical Applications Include

- Power supplies
- Automotive electronics
- Motor controls

Configurations

Available:

- Slit to width, Roll Form
- Die-Cut parts
- Also available in 12 mil (0.31mm) thickness

We produce thousands of specials. Tooling charges vary depending on tolerances and complexity of the part.