Technical Data Sheet

P-THERM®

PS-1595

Product Description:

P-THERM® PS-1595 is a non-silicone, thermally conductive tacky phase change material with a siliconized paper release liner.

Construction / Properties:

	Property	Value	Test Method
General	Color	Yellow	Visual
	Thickness Range	0.25 mm	ASTM D374
	Carrier Type	--	--
	Density (g/cc)	2.39	ASTM D792
	Heat Capacity (J/g K) @ 50 C	1.09	ASTM E1269
	Hardness (Shore 00)	--	ASTM D2240
	Total Mass Loss (@125 C/24 hrs)	1.00%	ASTM E595**
	Phase Change Temperature	55 C	UL 94
	Continuous Use Conditions	-25 - 125 C	QSP-754

	Property	Value	Test Method
Electrical	Dielectric Breakdown Strength (kV/mm)	15.03	ASTM D149
	Volume Resistivity (ohm-cm)	--	ASTM D257

	Property	Value			Test Method
Thermal	Thermal Conductivity	4 W/m K			ASTM D5470*
	Thermal Performance vs. Strain				
	Deflection (% Strain)	10	20	30	ASTM D5470***
	Thermal Impedance (K cm^2/W) @ 0.25mm	3.48	2.07	1.72	

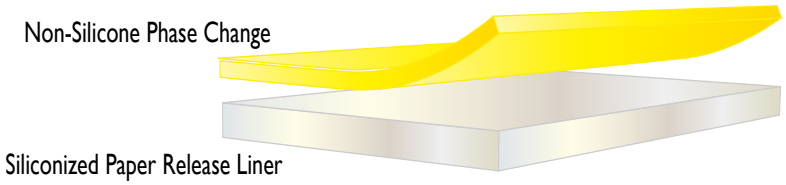
* Thermal conductivity tested at 20% strain.

** Tested at atmospheric pressure

*** Values tested include interfacial thermal resistance: Application performance is directly related to surface roughness, flatness and pressure applied.

Features:

- High Temperature Resistance
- Low Stress on Components
- Shock Absorbing
- Low VOC
- RoHS and HF Compliant



Applications:

- Gaming Systems
- Battery Components
- Solar Panels
- Infotainment and Navigation Systems
- Smartphones
- Tablets
- Computers

Specific tests should be performed by the end user to determine the product stability for the particular application.

For Additional Information:
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