



PS-1522

Product Description:

P-THERM® PS-1522 is a double coated, thermally conductive polyurethane coating on a polyester carrier designed to offer good dielectric and thermal conductivity without the worry of flow from wax-based products or mess associated with thermal grease. The polyurethane coating is formulated to feel dry to the touch while offering natural tack to mitigate movement during assembly. PS-1522 is supplied with a polyester carrier.

Construction / Properties:

General	Property	Value	Test Method	
	Color	White	Visual	
	Thickness Range	0.15 mm	ASTM D374	
	Carrier Type	Polyester	--	
	Density (g/cc)	1.61	ASTM D792	
	Heat Capacity (J/g K) @ 50 C	1.05	ASTM E1269	
	Hardness (Shore 00)	--	ASTM D2240	
	Total Mass Loss (@125 C/24 hrs)	0.18%	ASTM E595**	
	Flammability Rating	V-0	UL 94	
	Continuous Use Conditions	0 - 165 C	QSP-754	
Electrical	Property	Value	Test Method	
	Dielectric Breakdown Strength (kV/mm)	110.00	ASTM D149	
	Volume Resistivity (ohm-cm)	1.0E+16	ASTM D257	
Thermal	Property	Value	Test Method	
	Thermal Conductivity	0.4 W/m K	ASTM D5470*	
	Thermal Performance vs. Strain			
	Deflection (% Strain)	10	20	30
Thermal Impedance (K cm ² /W) @ 0.15mm	125.54	120.40	114.89	

* Thermal conductivity tested at 20% strain.

** Tested at atmospheric pressure

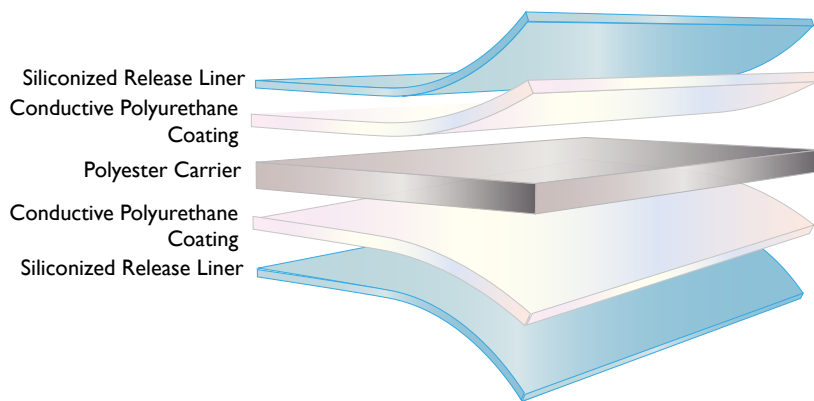
*** Values tested include interfacial thermal resistance: Application performance is directly related to surface roughness, flatness and pressure applied.

Features:

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

Applications:

- Televisions
- Automotive Electronics
- Consumer Electronics
- Power Semiconductor Devices



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

For Additional Information:

E-mail: sales@polymerscience.com
Toll Free: +1 888.533.7004
Web: www.polymerscience.com
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