



# PS-1524

### Product Description:

P-THERM® PS-1524 is a double coated, thermally conductive polyurethane coating on a fiberglass 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-1524 is supplied with a fiberglass carrier.

### Construction / Properties:

General	Property	Value	Test Method	
	Color	White	Visual	
	Thickness Range	0.25 mm	ASTM D374	
	Carrier Type	Fiberglass	--	
	Density (g/cc)	1.14	ASTM D792	
	Heat Capacity (J/g K) @ 50 C	1.00	ASTM E1269	
	Hardness (Shore 00)	--	ASTM D2240	
	Total Mass Loss (@125 C/24 hrs)	0.27%	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)	47.00	ASTM D149	
	Volume Resistivity (ohm-cm)	1.0E+17	ASTM D257	
Thermal	Property	Value	Test Method	
	Thermal Conductivity	0.7 W/m K	ASTM D5470*	
	<b>Thermal Performance vs. Strain</b>			
	Deflection (% Strain)	10	20	30
Thermal Impedance (K cm <sup>2</sup> /W) @ 0.05mm	28.58	20.02	10.53	ASTM D5470***

\* Thermal conductivity tested at 20% strain.

\*\* Tested at atmospheric pressure

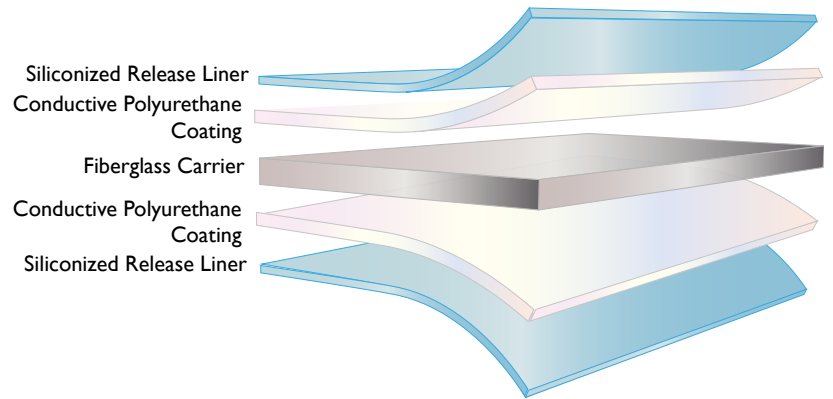
\*\*\* Values tested include interfacial thermal resistance: Application performance is directly related to surface roughness, flatness and pressure applied.

## 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:

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