

## Phase Change Materials

Product Name	Description	Key Attributes	Thermal Conductivity (W/m•K)	Phase Change Temperature (°C)	Dielectric Strength (V/25 µm)	Thickness (mm)	Flammability Rating
<b>Aluminum Carrier</b>							
BERGQUIST HI-FLOW 225F-AC	Phase change thermal interface material	<ul style="list-style-type: none"> <li>• Low thermal impedance</li> <li>• Can be manually or automatically applied to the surfaces of room-temperature heat sinks</li> <li>• Foil reinforced, adhesive coated</li> <li>• Soft phase change compound</li> </ul>	1	55	N/A	• 0.102	UL 94 V-0
LOCTITE TCF 1000	Non-insulating, phase change thermal interface material	<ul style="list-style-type: none"> <li>• Low thermal impedance</li> <li>• Coated on aluminum foil</li> <li>• Used between any non-isolated heat dissipating component and a heat sink or chassis</li> </ul>	1	60	N/A	• 0.06 – 0.2	None
LOCTITE TCF 2000	Non-insulating, phase change thermal interface material	<ul style="list-style-type: none"> <li>• Used between any non-isolated heat dissipating component and a heat sink or chassis</li> <li>• High thermal conductivity</li> </ul>	3	51	N/A	• 0.076	UL 94 V-0
<b>Polyimide Carrier</b>							
LOCTITE EIF 1000	High-performance, phase change thermal interface material	<ul style="list-style-type: none"> <li>• High dielectric strength</li> <li>• Excellent cut-through resistance</li> </ul>	0.45	60	> 5,000	• 0.05 – 0.2	UL 94 V-0
BERGQUIST HI-FLOW 300P	High-performance, phase change thermal interface material	<ul style="list-style-type: none"> <li>• Field-proven polyimide film</li> <li>• Excellent dielectric performance</li> <li>• Excellent cut-through resistance</li> <li>• Outstanding thermal performance in an insulated pad</li> </ul>	1.6	55	5,000	• 0.102 – 0.127	UL 94 V-0
<b>No Carrier</b>							
BERGQUIST HI-FLOW 565UT	High-performance, phase change thermal interface material	<ul style="list-style-type: none"> <li>• Very low thermal impedance</li> <li>• High thermal conductivity</li> <li>• Naturally tacky</li> <li>• Tabulated for ease of assembly</li> </ul>	3	52	N/A	• 0.127 • 0.254	UL 94 V-0