



GLPOLY XK-P50 Thermal Pad

Silicone Thermal Conductive Pad

Description	Key Features	Typical Applications
<p>This series of products are resilient and with large deformation, suitable for large institutional design tolerances. Single or double layer structure, the double layer is reinforced with special ultra-thin-fabric to increase resistance and work-ability of puncture, strip type, malformation designs. Self-adhesive and never recede. No corrosion to the copper surface, "Environmentally friendly products".</p>	<p>High thermal conductivity 5.0W/mk Low thermal resistance low hardness Good electrical insulation Ultra conformable, "gel-like" modulus Designed for low-stress applications</p>	<p>Automotive electronics Telecommunications Computer, Between heat-generating semiconductor and a heat sink</p>

Material Properties

	Unit	XK-P50	Method
Reinforcement Carrier		/	
Inherent surface Tack(1-/2-side)		2-side	
Color		Pink	Visual
Thickness	mm	0.5-5±0.05	ASTM D374
Specific Gravity	g/cm ³	3.35±0.1	ASTM D792
Hardness	Shore 00	40-70±5	ASTM D2240
Thermal Impedance @0.5mm 14.5psi	°Cin ² /W	0.21	ASTM D5470
Thermal Conductivity	W/mk	5.0	ASTM D5470
Volume Resistivity	Ωcm	>10 ¹³	ASTM D257
Breakdown Voltage	KV/mm	10	ASTM D149
Dielectric Constant	1	8	ASTM D150
Application Temperature	°C	-60~200	ASTM G166
Tensile strength	psi	12	ASTM D412
Elongation	%	>30	ASTM D412
Siloxane Volatile s D4~D20	%	<0.01	GC-FID
Flammability	UL94	V-0	UL94

Learn More

For additional information or Material Safety Data Sheets on the complete line of GLPOLY thermal interface management solutions, please call our office

tel: 86-755-27579310, visit www.glpoly.com or send a message to kemmy@glpoly.com.

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