



# GLPOLY XK-P45 Thermal Pad

*Silicone Thermal Conductive Pad*

Description	Key Features	Typical Applications
This series of products have the highest cost performance, soft and self-adhesive products; Good resilience , high deformation and high reliability	High thermal conductivity 4.5W/mk Low thermal resistance Conformable, low hardness Good electrical insulation	Automotive electronics Digital disk drives Telecommunications Industrial and medical equipment

## Material Properties

	Unit	XK-P45	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 <sup>3</sup>	3.2±0.1	ASTM D792
Hardness	Shore 00	40-70±5	ASTM D2240
Thermal Impedance @0.5mm 14.5psi	°Cin <sup>2</sup> /W	0.25	ASTM D5470
Thermal Conductivity	W/mk	4.5	ASTM D5470
Volume Resistivity	Ωcm	>10 <sup>13</sup>	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	13	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](http://www.glpoly.com) or send a message to [kemmy@glpoly.com](mailto:kemmy@glpoly.com).

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*Email: [kemmy@glpoly.com](mailto:kemmy@glpoly.com) Tel: 86-755-27579310 Fax: 86-755-27579350  
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