



GLPOLY XK-SF18 Thermal Conductive Silicone Foil

Flexible Foil with Fiberglass

Description	Key Features	Typical Applications
Flexible foil (with fiberglass) consist of a silicone elastomer filled with various thermally conductive ceramic materials. All foil types are high electrically insulating. The standard foil adapt to the smooth surface. Small irregularities can be evened out by using only minimal contact pressures.	Thermal conductivity 1.8W/m.K Excellent electrically insulating properties(>10KV) No Oil Bleeding High mechanical engineering (>3000psi)	DG-DC converters High voltage units etc.

Material Properties

	Unit	XK-SF18	Method
Reinforcement Carrier		Fiberglass	Visual
Color		Pink	
Thickness	mm	0.2-0.38	ASTM D374
Specific Gravity	g/cm ³	2.1	ASTM D792
Hardness	Shore A	80	ASTM D2240
Thermal impedance@50psi	°C in ² /W	0.53	ASTM D5470
Thermal Conductivity	W/mk	1.8	HOT DISK
Volume Resistivity	Ωcm	>10 ¹³	ASTM D257
Breakdown Voltage	KV/mm	>3.5	ASTM D149
Dielectric Constant	1	3	ASTM D150
Application Temperature	°C	-60~220	ASTM G166
Tensile strength	psi	>1000	ASTM D412
Elongation	%	<10	ASTM D412
Total mass loss	%	<0.5	ASTM E595
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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