



GLPOLY XK-F15ST Thermal Foil

Silicone Thermally Conductive Fiberglass- Soft Tack

Description	Key Features	Typical Applications
Unlike traditional low thermal conductivity fiberglass with ceramic powder filler, XK-F series is a composite of high performance ceramic filler and 30um fiberglass, achieving high thermal conductivity on flatness surface with low pressure. Recommended for TO220/TO3P where insulation is needed.	Thermal conductivity 1.5W/m.K Elastomeric compound coated on both sides No oil leakage, long term stability Electrically insulating	Power supplies Automotive electronics Motor controls Power semiconductors

Material Properties

	Unit	XK-F15ST	Method
Reinforcement Carrier		Fiberglass	Visual
Color		Yellow	
Thickness	mm	0.25	ASTM D374
Specific Gravity	g/cm ³	2.4±0.1	ASTM D792
Hardness	Shore A	<20	ASTM D2240
Thermal impedance@50psi	°C in ² /W	0.43	ASTM D5470
Thermal Conductivity	W/mk	1.5	ASTM D5470
Volume Resistivity	Ωcm	>10 ¹³	ASTM D257
Breakdown Voltage	KV/mm	>3.5	ASTM D149
Dielectric Constant	1	5	ASTM D150
Application Temperature	°C	-60~220	ASTM G166
Tensile strength	psi	>100	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.

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

GLPOLY's sole warranty is that our products will meet the sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

GLPOLY SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.

GLPOLY DISCLAIMS ANY LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

GLPOLY is a registered trademark of Goldlink Tongda Corporation.

©2008, Goldlink Tongda Corporation.. All rights reserved.



*Email: kemmy@glpoly.com Tel: 86-755-27579310 Fax: 86-755-27579350
For the most direct access to technical support visit: www.glpoly.com*