

Non-Silicone Thermal Fiberglass/XK-FN50

Introduction

XK-FN non-silicone thermally conductive fiberglass for silicone-sensitive applications. (EX: LED , Telecom and Aerospace).

Ceramic filled and polyester resins coated either side

Features

Polyester based

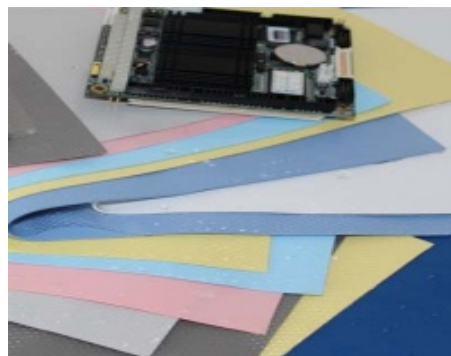
Designed for silicone-sensitive standard applications

Applications

Power semiconductors

Power supplies

LED



	unit	XK-FN50	Method
Reinforcement Carrier		Fiberglass	visual
Color		White	
Thickness	mm	0.15/0.25	ASTM D374
Specific Gravity	g/cm ³	1.7	ASTM D792
Hardness	Shore A	75	ASTM D2240
Thermal impedance	°Cin ² /W	0.13	ASTM D5470
Thermal Conductivity	W/mK	4.8	HOT DISK
Volume Resistivity	Ωcm	>10 ¹³	ASTM D257
Breakdown Voltage	KV/mm	>3.5	ASTM D149
Dielectric Constant	1	2.9	ASTM D150
Application temperature	°C	-30~125	
Tensile strength	psi	>300	ASTM D149
Elongation	%	<10	ASTM D149
Siloxane Volatiles D4~D20	%	0	GC-FID
Flammability	UL94	V-0	UL94