

Non-Silicone Thermal Fiberglass/XK-FN40

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-FN40	Method
Reinforcement Carrier		Fiberglass	visual
Color		Gray	
Thickness	mm	0.3	ASTM D374
Specific Gravity	g/cm ³	3.2	ASTM D792
Hardness	Shore A	75	ASTM D2240
Thermal impedance	°Cin ² /W	0.18	ASTM D5470
Thermal Conductivity	W/mK	4.5	HOT DISK
Volume Resistivity	Ωcm	>10 ¹³	ASTM D257
Breakdown Voltage	KV/mm	>3.5	ASTM D149
Dielectric Constant	1	8	ASTM D150
Application temperature	°C	-30~125	
Tensile strength	psi	>1000	ASTM D149
Elongation	%	30	ASTM D149
Siloxane Volatiles D4~D20	%	<0.01	GC-FID
Flammability	UL94	V-0	UL94