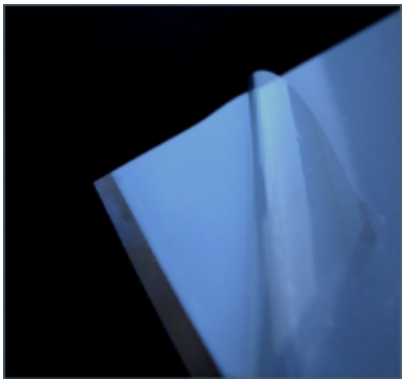
Thermally Conductive Silicone Foil / XK-F50

Introduction

Flexible foil consists of a silicone elastomer filled with various t hermally conductive boron nitride. All foil types are high electrically insulating. The standard foil adapt to the smooth surface. Small irregularities can be evened out by using onlyminimal contact pressures.

Features

Electrical Insulating properties
No Oil Bleeding



Applications

High voltage units , DC-DC converters

	unit	XK-F20	Method
Reinforcement Carrier		Fiberglass	visual
Color		Pink	
Thickness	mm	0.2-0.38	ASTM D374
Specific Gravity	g/cm3	2.9	ASTM D792
Hardness	Shore A	88	ASTM D2240
Thermal impedance	℃in2/W	0.19	ASTM D5470
Thermal Conductivity	W/mK	5.0	HOT DISK
Volume Resistivity	Ωcm	$>10^{13}$	ASTM D257
Breakdown Voltage	KV	>3.5	ASTM D149
Dielectric Constant	1	3	ASTM D150
Application temperature	℃	-50~220	
Tensile strength	psi	>300	ASTM D149
Elongation	%	<10	ASTM D149
Siloxane Volatiles D4~D20	%	<0.01	GC-FID
Flammability	UL94	V-0	UL94

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