

# Non-Silicone Thermal Tape / XK-TN12

## Introduction

XK-TN are thermal conducting, electrical insulating and double sided adhesive films. With excellent permanent adhesive nature and properties of high thermal conductivity and good insulation.

## Features

- Easy Assembly
- High thermally conductive performance
- Acrylic adhesive
- For application which requires electrical isolation



## Applications

- Mount heat sink to processor
- Mount heat spreader to PCB
- LED

	unit	XK-TN12			Method
Reinforcement Carrier		none	none	None	
Color		White	White	White	visual
Thickness	mm	0.1	0.15	0.20	ASTM D374
Specific Gravity	g/cm <sup>3</sup>	2.0	2.0	2.5	ASTM D792
Bonding strength	N/in	>8	>8	>8	ASTM 3330
Thermal impedance	°Cin <sup>2</sup> /W	0.40	0.43	0.45	ASTM D5470
Thermal Conductivity	W/mK	1.2	1.2	1.2	HOT DISK
Volume Resistivity	Ωcm	>10 <sup>13</sup>	>10 <sup>13</sup>	>10 <sup>13</sup>	ASTM D257
Breakdown Voltage	KV	2	3	3	ASTM D149
Dielectric Constant	1	5	5	5	ASTM D150
Application temperature	°C	-30~150	-30~150	-30~150	
Tensile strength	psi	-	-	-	ASTM D149
Elongation	%	-	-	-	ASTM D149
Siloxane Volatiles D4~D20	%	0	0	0	GC-FID