

Low Density Thermal Gel Pad For Vehicle XK-P10LD

Introduction

Low Density & Low Hardness Thermal pad series offers a high thermal conductivity and a low thermal resistance solution
 This series of products are resilient and good amount of deformation, Suitable for large institutional, design tolerances, Product is Low Density The double layer use of special ultra-thin fabric reinforcement, whether punching punch, strip type, malformation designs may not be broken and variant. This product is one-sided self-adhesive silicone gel Completely non-toxic and green products accord to international requirements

Features

- Low density
- Ultra conformable
- Designed for low-stress applications
- Fiberglass reinforced for puncture, shear and tear resistance



	Unit	XK-P10LD	Method
Reinforcement Carrier		Fiberglass	
Inherent Surface Tack (1-/2- sided)		1-side	
Color		Pink/yellow	visual
Thickness	mm	0.3~5.0	ASTM D374
Specific Gravity	g/cm ³	1.6	ASTM D792
Hardness	Asker C	10	ASTM D2240
	Shore 00	30	ASTM D2240
Thermal impedance@1.0mm 20psi	°Cin ² /W	1.03	ASTM D5470
Thermal impedance@1.0mm 50psi	°Cin ² /W	0.83	ASTM D5470
Thermal Conductivity	W/mK	1.0	HOT DISK
Volume Resistivity	Ωcm	>10 ¹¹	ASTM D257
Breakdown Voltage	KV/mm	>10	ASTM D149
Total mass loss	%	<0.5	ASTM E595
Application temperature	°C	-60~150	
Tensile strength	psi	>300	ASTM D149
Elongation	%	<10	ASTM D149
Siloxane Volatiles D4~D20	%	<0.01	GC-FID
Flammability	UL94	V-0	UL94