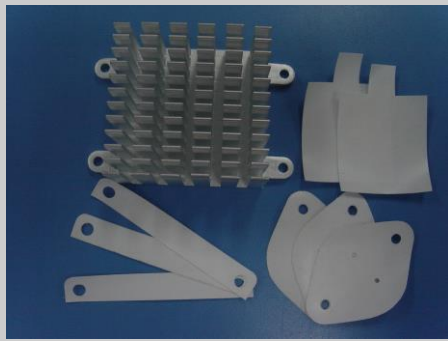


## THERMAL CONDUCTIVE INSULATOR

### Features and Benefits

- 3.0W/m-K thermal conductivity
- High breakdown voltage
- Tough and high tensile strength
- Electrically Isolating



### Typical Applications

- Automotive control units
- Power supply
- Audio and video component
- General high pressure interface

### Optional Configurations

- Adhesive coatings are optional
- Can be die-cut into specific dimensions

The E-Pad 200 Spec01 series offers high thermal performance and high dielectric strength. E-Pad 200 Spec01 is suitable for applications where electrical isolating property is needed.

E-Pad 200 Spec01 has high tensile strength and can prevent surface penetration by sharp intrusion hence, ensuring its electrical isolating properties.

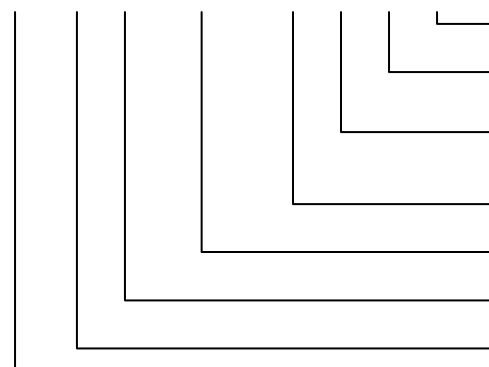
Properties	E-Pad 200 Spec01 Series	Test Method
Construction & Composition	Reinforced soft silicone elastomer	—
Color	White	Visual
Thickness Range /inch (mm)	0.01~0.03" (0.254~0.762) in 0.01" (0.254) increments	—
Standard Sheet Size	9" x 9"	—
Density /g.cm <sup>-3</sup>	2.98	—
Hardness /Shore 00	80	ASTM D2240
Tensile Strength /psi	868	ASTM D412
Temperature Range /°C	-40~200°C	—
Thermal Conductivity W.m <sup>-1</sup> .K <sup>-1</sup>	3.0	ASTM D5470 (modified)
Breakdown Voltage / (V/mm)	>5000	ASTM D149
Volume Resistivity /ohm.cm	5.5 x 10 <sup>13</sup>	ASTM D257
Dielectric Constant @ 1MHz	3.8	ASTM D150
Shelf Life	24 months	—

Please contact us for other special requirements

Carrier Treatment	Criteria
Fiber Glass (FG)	Compulsory for all thickness
Rubberized Cloth (RC)	Not Recommended
Pressure Sensitive Adhesive (PSA)	Optional to all thickness
Detachable Adhesive (DA)	Not Recommended
Aluminum Foil (AL)	Not Recommended
Kapton (PI)	Not Recommended
Talc treatment (DAT)	Not Recommended

### Product Code and Descriptions

E-Pad 2 10 Spec 01 -XX -XX -XX -XX



**Dimensions**  
SS = Standard sheet size

**Release Liner**  
ST = Standard  
OT = Other

**PSA**  
A1 = One side  
A2 = Both sides  
OT = Other

**Carrier**  
FG = Fiberglass  
RC = Rubberized Cloth  
CB = Combination  
OT = Other

**Spec 01 = Special Derivative #**

**Thickness (mil)**  
00 = Custom thickness  
10 = 10mil

**2 = 200 Series**  
E-Pad1 = E-Pad gap filling material

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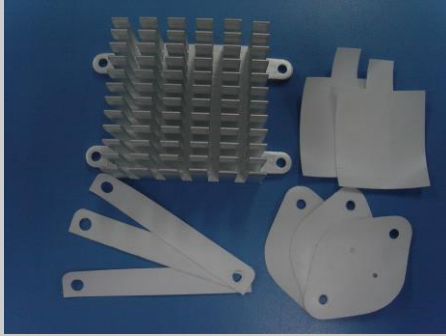
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(886) 2-2793 9501  
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### 产品特点

- 导热率 3.0W/m-K
- 高击穿电压
- 材质坚韧具有高拉伸强度
- 电绝缘



### 一般应用

- 车用电机控制器
- 供电电源
- 音频视频组件
- 一般高压力界面

### 其他配置

- 可选择胶粘剂涂层
- 可模切成特定尺寸

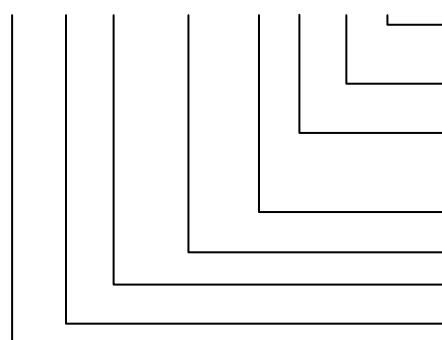
E-Pad 200Spec01 系列具有高导热性能及体积电阻率，适用于需要电绝缘的应用上。E-Pad 200Spec01 具有高拉伸强度及防锐利物刺穿的特点，因此能达到确保电绝缘的功能。

一般特性	E-Pad 200Spec01	测试方法
结构及主要成分	物理强化硅树脂弹性体	—
颜色	白色	目测
厚度 /inch (mm)	0.01~0.03" (0.254~0.762) 以 0.01" (0.254)为基本增量单位	—
标准片材尺寸	9" x 9"	—
密度 /g.cm <sup>-3</sup>	2.98	—
硬度 /Shore 00	80	ASTM D2240
拉伸强度 /psi	868	ASTM D412
使用温度 /°C	-40~200°C	—
导热率 W.m <sup>-1</sup> .K <sup>-1</sup>	3.0	ASTM D5470 (modified)
击穿电压(V/mm)	>5000	ASTM D149
体积电阻率 /ohm.cm	5.5 x 10 <sup>13</sup>	ASTM D257
介电常数@ 1MHz	3.8	ASTM D150
有效期/Months	24	—
如对产品有特殊要求，请联络我们		

载体	标准
玻璃纤维 (FG)	必须使用
胶布 (RC)	不建议使用
压敏胶 (PSA)	可供任何厚度使用
不粘胶 (DA)	不建议使用
铝箔 (AL)	不建议使用
聚酰亚胺膜 (PI)	不建议使用
滑石粉处理 (DAT)	不建议使用

### 产品编码及描述

E-Pad 2 10 Spec 01 XX XX XX XX



- 尺寸  
SS = 标准尺寸  
CD = 定制尺寸
- 高型膜  
ST = 标准  
OT = 其他
- 压敏胶  
A1 = 单面  
A2 = 双面  
OT = 其他
- 载体  
FG = 玻璃纤维  
RC = 胶布  
CB = 组合  
OT = 其他
- Spec 01 = 特别产品编码
- Thickness (mil)  
00 = 定制厚度  
10 = 0mil  
2 = 200 系列
- E-Pad = E-Pad 导热电绝缘填充垫

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