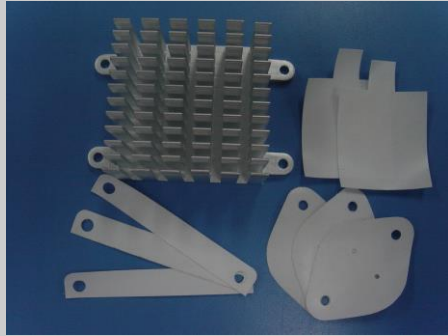


Features and Benefits

- 5.0W/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

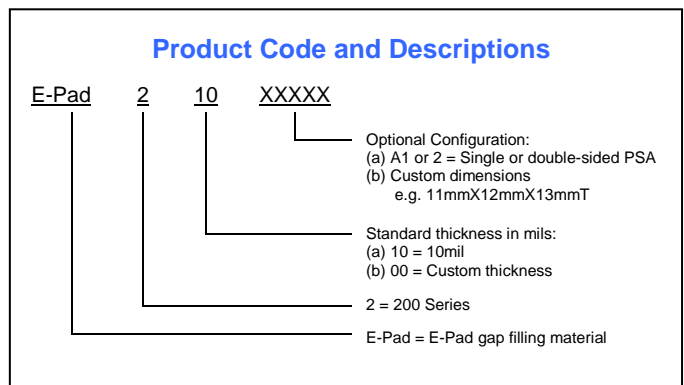
The E-Pad 200 series offers high thermal performance and high dielectric strength. E-Pad is suitable for applications where electrical isolating property is needed.

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

Properties	E-Pad 200 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 ⁻³	2.58	—
Hardness /Shore 00	80	ASTM D2240
Tensile Strength /psi	868	ASTM D412
Temperature Range /°C	-40~200°C	—
Thermal Conductivity W.m ⁻¹ .K ⁻¹	5.0	ASTM D5470 (modified)
Breakdown Voltage /V	>5000	ASTM D149
Volume Resistivity /ohm.cm	5.5 x 10 ¹³	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



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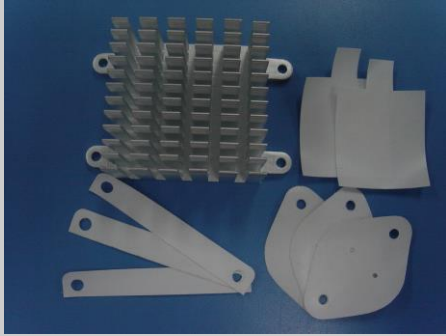
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产品特点

- 导热率 5.0W/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
- 一般高压界面

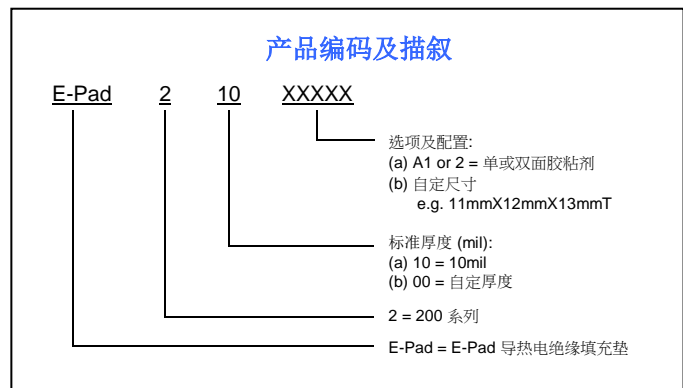
其他配置

- 可选择胶粘剂涂层
- 可模切成特定尺寸

E-Pad 200 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 200 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 200	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 ⁻³	2.58	—
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 ⁻¹ .K ⁻¹	5.0	ASTM D5470 (modified)
击穿电压/V	>5000	ASTM D149
体积电阻率 /ohm.cm	5.5 x 10 ¹³	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



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