

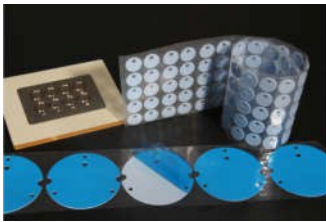
TDS AS OF 01/14/2025

## Non-Silicone Thermal Pad

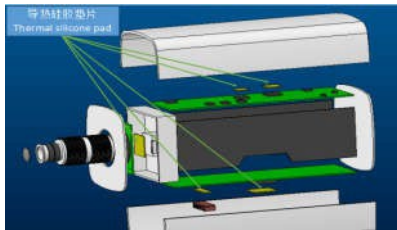
### 【Product Description】

EVAF 300 non-silicone thermal pads are based on special resins. They do not make circuit failure, because they do not have siloxane volatilization and silicone oil seeping. The products have good tensile strength and wear resistance.

### 【Product illustration】



### 【Product application】



### 【Features And Benefits】

- No siloxane volatilization
- No silicone oil seeping
- Excellent flame retardancy
- Good electrical insulation performance
- High tensile strength and high elongation

### 【Applications】

- Power battery pack
- Vehicle navigator
- Optical precision equipment 、 Camera equipment
- Notebook computer
- Mobile and communication equipment
- Automotive engine control equipment
- High end industrial control and medical electronics

### 【Configurations Available】

Layout product: 200\*400 or According to customer requirements

Die cutting products: According to customer requirements

**【Storage & Transportation】** Store in a ventilated, cool, dry place, do not touch open flames. This product is non-toxic and is stored and transported as non-dangerous goods.

**【Packing】** According to customer requirements

**【Valid period】** This product is valid for 24 months

**【Safety】** Please refer to our company 《Material safety performance data (MSDS)》

All of the above suggestions and data are from information we believe to be reliable. Although provided in good faith, we are unable to control the use conditions and methods of the product, and we cannot make any suggestions for the application of compatibility. Therefore, these suggestions and data are for reference only and not as a product guarantee. At any time, it is up to the user to decide whether their production line can be used effectively. It is up to the buyer to decide whether the product is suitable or suitable for a particular use. Product quality or suitability is not guaranteed for any particular use. We recommend that potential users first determine our material suitability and recommendations before using them in large quantities.

| TECHNICAL DATA SHEET – EVAF300 |                          |            |
|--------------------------------|--------------------------|------------|
| Color                          | White                    | Visual     |
| Thickness                      | 0.5 ~ 5.0mm              | ASTM D374  |
| Specific Gravity               | 2.3g/cm <sup>3</sup>     | ASTM D792  |
| Thermal Conductivity           | 2.0 W/mK                 | ASTM D5470 |
| Hardness (Shore 00)            | 40~90°                   | ASTM D2240 |
| Elongation                     | 150%                     | ASTM D412  |
| Tensile Strength               | 55psi                    | ASTM D412  |
| Electrical strength            | >200VAC/mil              | ASTM D149  |
| Flammability Rating            | 94 V-0                   | UL 94      |
| Volume Resistivity             | 10 <sup>13</sup> Ω.cm    | ASTM D257  |
| Operating Temperature          | -40 ~ 120°C              | ——         |
| Thermal Resistance(1mm,@40psi) | 0.8°C*in <sup>2</sup> /W | ASTM D5470 |
| Compression Ratio(1mm,@40psi)  | 35%                      | ——         |
| RoHS (10)                      | PASS                     | IEC 62321  |
| Halogen (4)                    | PASS                     | EN14582    |
| REACH (191)                    | PASS                     | EN14372    |

Test fixtures were tested using ASTM D5470. Recorded values include interface thermal resistance. These values are for reference only. The actual application performance is directly related to the applied surface roughness, flatness and pressure.