

# TG-A3500F

## Fiberglass Mesh Series Thermal Pad

REACH Compliant    RoHS Compliant    UL Comparable

### Features

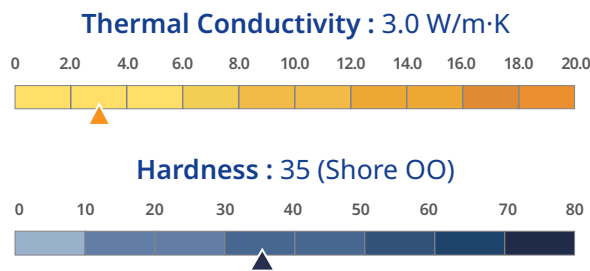
- High thermal conductivity
- Fiberglass on one side
- Non-deforming
- Electrical insulation

### Applications

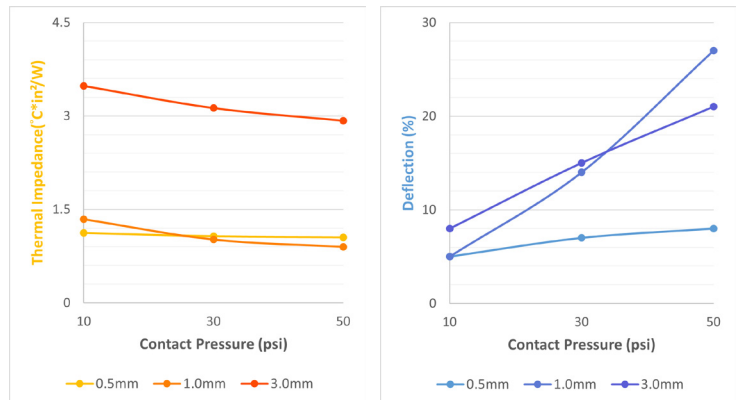
Suitable for voltage-resistant products

Electronic Components - 5G, Aerospace, AI, AIoT, AR/VR/MR/XR, Automotive, Consumer Devices, Datacom, Electric Vehicle, Electronic Products, Energy Storage, Industrial, Lighting Equipment, Medical, Military, Netcom, Panel, Power Electronics, Robot, Servers, Smart Home, Telecom, etc.

### Properties



### Contact Pressure, Thermal Impedance, and Deflection



| Properties                   | Unit              | TG-A3500F            | Tolerance | Test Method          |
|------------------------------|-------------------|----------------------|-----------|----------------------|
| Thermal Conductivity         | W/m-K             | 3.0                  | ±10%      | ASTM D5470 Modified  |
| Thickness                    | mm                | 0.5~8.0              | -         | ASTM D374            |
|                              | inch              | 0.0197~0.3149        | -         | ASTM D374            |
| Color                        | -                 | Yellow               | -         | Colorimeter CIE 1976 |
| Reinforcement Carrier        | -                 | Fiberglass Mesh      | -         | -                    |
| Flame Rating                 | -                 | V-0                  | -         | UL 94                |
| Dielectric Breakdown Voltage | kV/mm             | ≥18                  | -         | ASTM D149            |
| Weight Loss                  | %                 | <1                   | -         | By T-Global          |
| Density                      | g/cm <sup>3</sup> | 2.3                  | ±5%       | ASTM D792            |
| Operating Temperature        | °C                | -50~+180             | -         | -                    |
| Volume Resistivity           | Ohm·m             | 8 × 10 <sup>12</sup> | -         | ASTM D257            |
| Elongation                   | %                 | 80                   | -         | ASTM D412            |
| Standard Format              | -                 | Sheet                | -         | -                    |
| Hardness (Silicone Side)     | Shore OO          | 35                   | ±15       | ASTM D2240           |

※For thicknesses less than 1.0mm, hardness will be adjusted to 50-75 Shore OO to facilitate effective removal of liner during production  
 ※Different tolerances according to the selected thickness  
 ※Die-cut for different shapes

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