

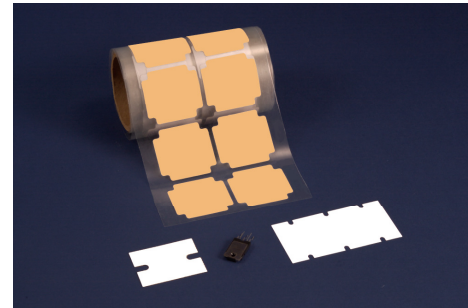


# TECHNICAL DATA SHEET

## THERMALLY CONDUCTIVE, ELECTRICAL INSULATOR

### Product Description

**MICRO-FAZE® K** is a revolutionary dry-to-touch thermal interface pad formulated with **non-silicone thermal grease**. It was developed by AOS to offer the lowest thermal resistance in a thermal interface without the mess of grease. MICRO-FAZE K is a die-cut **polyimide insulating substrate** coated on both sides with specially formulated thermal grease (non-silicone, non-wax-based) that is naturally tacky but dry to the touch. It offers unique heat transfer and high insulating capabilities, and has a high cut-through resistance.



### Available Configurations

MICRO-FAZE K is available in rolls and can be die-cut to your exact specifications.

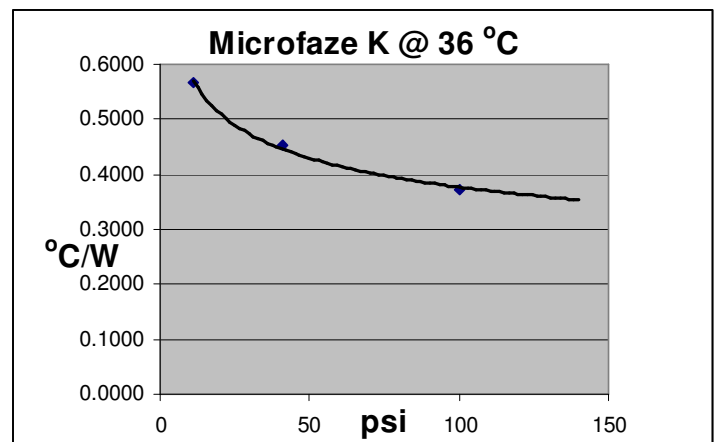
### Product Features & Benefits

- MICRO-FAZE K retains all the unique advantages of thermal grease but in the form of a thermal interface film.
- Unlike phase change materials, MICRO-FAZE K requires **minimum force** to achieve total interface contact and **heat transfer starts at 25°C**.
- MICRO-FAZE K allows for **total “wetting action”** to fill all microscopic surface voids without changing phase.
- Offers maximum heat transfer capability and electrical isolation for power components.
- Excellent replacement for phase change materials and silicone pads.
- MICRO-FAZE K is a **“drop-in-place”** product for easy handling in a manufacturing environment.
- **Naturally tacky** film improves thermal performance and does not compromise thermal resistance.
- Microscopically flows to fill microscopic voids on part surfaces.
- **Thixotropic** nature prevents run out.

\*Kapton® is a registered Trademark of Dupont

### Typical Properties

Physical Properties	Value	Test Method
Substrate	Kapton MT®	----
Substrate Thickness, in.	0.002	----
Compound Thickness/side, in.	0.002	----
Total Thickness, in.	0.006	----
Thermal & Electrical Properties		
Thermal Resistance, °C-in <sup>2</sup> /W	See chart	ASTM D5470
Dielectric Strength, Total Volts	10,220	ASTM D-149
Dielectric Constant, @ 1 KHz	3.7	ASTM D-150
Volume Resistivity, ohm-cm	1.01 x 10 <sup>15</sup>	ASTM D-257



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