U.S. Patent No. 6,475,962B1 6610635 & 6,900,163B2

MICRO-FAZE® 3A6

Dry-to-touch Thermal Pad

Product Code: 52061

TECHNICAL DATA SHEET

THERMALLY CONDUCTIVE, HIGH PERFORMANCE PAD

Product Description

MICRO-FAZE® 3 A6 is a revolutionary thermal interface pad formulated with **non-silicone thermal grease**. It was developed by AOS to offer the **lowest thermal resistance** in a thermal interface at this thickness without the mess of grease. MICRO-FAZE 3A6 consists of a 2 mil **aluminum 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 high heat transfer to devices where gaps of 4-6 mil must be filled.

Product Features & Benefits

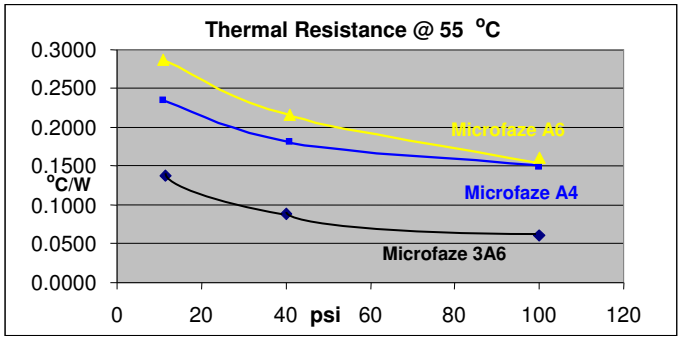
- MICRO-FAZE 3A6 retains all the unique advantages of higher thermal performance silicone-based thermal greases but in the form of a thermal interface pad.
- Unlike phase change materials, MICRO-FAZE 3A6 requires **relatively low force** to achieve total interface contact and **heat transfer starts at ambient temperature.**
- MICRO-FAZE 3A6 allows for **total "wetting action"** to fill all microscopic surface voids without changing phase.
- Offers maximum heat transfer capability.
- Excellent replacement for phase change materials and silicone pads.
- MICRO-FAZE 3A6 is a **"drop-in-place"** product for easy handling in a manufacturing environment.
- **Naturally tacky** film improves thermal performance and does not compromise other components.
- **Thixotropic** nature prevents run out.

Availability

MICRO-FAZE® 3 A6 is a non-silicone, gray grease on a metallic aluminum substrate and is available in rolls and/or can be die-cut to your exact specifications. The thermal resistance response with mounting pressure is shown in the graph below and compared with our two standard products A4 and A6.

Typical Properties

Physical Properties	Value	Test Method
Substrate	Aluminum	-----
Substrate Thickness, in.	0.002	-----
Compound Thickness/side, in.	0.002	-----
Total Thickness, in.	0.006	-----
Thermal Properties ASTM D 5470-06	**Measured @ 36 ºC**	**Measured @ 55 ºC**
Thermal Resistance, °C in²/W		
@ 10 psi	**0.14**	**0.14**
@ 70 psi	**0.07**	**0.07**



AOS Thermal Compounds, 22 Meridian Road, Suite 6, Eatontown, NJ 07724
Tel 732.389.5514 Fax 732.389.6380 E-mail sales@aosco.com Web www.aosco.com