



# AOS ELECTRICALLY CONDUCTIVE GREASE

**Product Code: 57001**

## TECHNICAL DATA SHEET



### Product Description

**AOS ELECTRICALLY CONDUCTIVE GREASE** is a NON-SILICONE-based, chemically inert heat sink compound that is thermally stable. This advanced grease offers *premium electrical and thermal conductivity*.

### Major Applications

Thermal applications for compound include the dissipation of heat from high power electronic components such as power resistors, rectifiers, transistors and transformers.

Low power electronic applications include static drain, grounding, *soft* electronic connections, heat dissipation, and assembly protection. Compound can be used in high power electrical applications to improve the operational efficiency of high power switches and other sliding metal contacts.

### Typical Properties

<u>Property</u>	<u>Value</u>	<u>Test Method</u>
<b>Consistency</b> (Penetration, worked, 60x)	250-350	ASTM D-217
<b>Specific Gravity</b> , @ 25°C	N/A	ASTM D-70
<b>Bleed</b> , @ 200°C, 24 Hrs., %/Wt	0.50	FTM-321 MODIFIED
<b>Evaporation</b> , @ 200°C, 24 Hrs., %/Wt.	1.00	FTM-321 MODIFIED
<b>Thermal Conductivity</b> , @ 36°C W/m-K	1.0	ASTM D 5470 06
<b>Electrical Properties</b>		
Dielectric Strength, 0.5" gap, V/mil	N/A	ASTM D-149
Dielectric Constant, 25°C @ 1,000 Hz	N/A	ASTM D-150
Dissipation Factor, 25°C @ 1,000 Hz	N/A	ASTM D-150
Volume Resistivity, ohm-cm	304	ASTM D-257
<b>Operating Temperature Range</b>	-40°C to 200°C	
<b>Appearance</b>	Smooth, Black Paste	

Please know that customers are responsible for testing AOS Thermal Compounds materials for their proposed use. Any information furnished by AOS Thermal Compounds and its agents is believed to be reliable, but AOS Thermal Compounds does not guarantee the results to be accurate and makes no warranties as to the fitness, merchantability, or suitability of any AOS material or product for any specific or general use and shall not be held liable for incidental or consequential damages of any kind. (040201)