AOS Thermal Compounds

ELECTRICALLY CONDUCTIVE GREASE

***Product Code:* 57000**

TECHNICAL DATA SHEET

Product Description

AOS CONDUCTIVE GREASE is a NON-SILICONE-based, chemically inert heat sink compound that is thermally stable and nonflammable. 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, s*oft* 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

Property	Value	Test Method
Consistency (Penetration, worked, 60x)	250-350	ASTM D-217
Specific Gravity, @ 25°C	N/A	ASTM D-70
Bleed, @ 200°C, 24 Hrs., %/Wt	0.50	FTM-321 MODIFIED
Evaporation, @ 200°C, 24 Hrs., %/Wt.	1.00	FTM-321 MODIFIED
Thermal Conductivity, @ 36°C W/m-K	2.4	ASTM D5470-95 (modified)
Electrical Properties		
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	< 0.01	ASTM D-257
Operating Temperature Range	-40°C to 200°C	
Appearance	Smooth,Paste	

22 Meridian Road, Suite 6, Eatontown, New Jersey 07724
732-389-5514 • fax 732-389-6380 • e-mail sales@aosco.com • web http://www.aosco.com