



# TECHNICAL DATA SHEET

## Product Description

**AOS 52060** is an easy spreading, low bond line thickness, non-silicone, metal particle-filled thermal grease. (For a non-silicone, low BLT material without metal particles see 52050.) The material has no bleed, phase separate or pump out under typical applications, and will survive temperatures up to 200°C for brief periods.

### The Non-Silicone Advantage

Silicone-based compounds have an undesirable tendency to physically migrate and contaminate components nearby. This interferes with circuit operation long after hardware installation to cause unexpected, untimely and often inaccessible problems. The AOS Heat Sink Compound's *no creep* feature extends circuit life by protecting components longer and by eliminating premature failure of adjacent components caused by migrating silicone base fluid.sss

### Product Features & Benefits

**AOS 52060** has no special storage requirements, has no volatile content, is non-reactive, and has excellent humidity resistance along with high thermal stability.

As with our entire line of Heat Sink Compounds, the AOS technical staff can modify AOS 52060 to meet your requirements.

AOS 52060 is available in syringes, cartridges, jars, and bulk packaging.

## Typical Properties

<u>Property</u>	<u>Value</u>	<u>Test Method</u>
<b>Specific Gravity</b> , @ 25°C	2.8	ASTM D-70
<b>Bleed</b> , @ 200°C, 24 Hrs., %/Wt	0.0	ASTM 6814
<b>Viscosity</b> , 1 sec <sup>-1</sup> , cPs	700,000	Rheometer
<b>Evaporation</b> , @ 150°C, 24 Hrs., %/Wt.	0.2	ASTM 6814
<b>Thermal Conductivity</b> , @ 25°C, W/m-K	5.4	ASTMD 5470-17
<b>Anticipated Minimum Bond Line (mils)</b> Based on filler dimensions	0.3	
<b>Operating Temperature Range</b> , °C	-40 to 200	
<b>Flow Rate</b> , g/min	0.5 to 1.5	AOS Method
<b>Appearance</b>	Dark Gray Paste	
<b>Shelf Life</b>	5 Years	

\*30cc Syringe, 0.08"orifice at 50 PSI, at 25°C

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