



AOS NON-SILICONE HTC

Product Code: 52070



TECHNICAL DATA SHEET

Product Description

52070 is our highest conductivity, non-silicone, thixotropic thermal grease. (For a non-silicone, low BLT material, without metal particles see **52050**) The material will never bleed, phase separate or pump out under typical applications, and will survive temperatures up to 200°C.

Product Features and Benefits

52070 has no special storage requirements, has no volatile content, is non-reactive, and has excellent humidity resistance and high thermal stability.

- As with our entire line of Heat Sink Compounds, the AOS technical staff can modify 52070 to meet your requirements.
- 52070 is available in syringes, cartridges, jars, and bulk packaging.

Typical Properties

<u>Property</u>	<u>Value</u>	<u>Test Method</u>
Consistency (Penetration, worked, 60x)	150	ASTM D-217
Specific Gravity , @ 25°C	2.6	ASTM D-70
Bleed , @ 200°C, 24 Hrs., %/Wt	0.3	FTM-321 MODIFIED
Evaporation , @ 200°C, 24 Hrs., %/Wt.	0.50	FTM-321 MODIFIED
Thermal Conductivity , @ 36°C W/m- K	5.9	ASTM 5470-06
Anticipated Minimum Bond line (mils)	0.5	Determined @ 1, 2, 5 and 20 mil thicknesses
Based on Filler Dimensions	1	
Operating Temperature Range	<-55°C to 200°C	
Flow Rate grams/min.	0.5 – 1.5	AOS Method #1
Appearance	Stiff Dark Gray Paste	

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