



AOS NON-SILICONE HTC AZ 140

NEW! Product Code: 52160



TECHNICAL DATA SHEET

Product Description

AOS 52160 is an easy spreading, low bond line thickness, non-silicone, metal-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, cleans up readily with water or mineral spirits, and will survive temperatures up to 200°C for brief periods.

Product Features and Benefits

AOS 52160 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 52160 to meet your requirements.
- AOS 52160 is available in syringes and cartridges.

Typical Properties

| <u>Property</u> | <u>Value</u> | <u>Test Method</u> |
|------------------------------------------------|-----------------|------------------------------------------------|
| Consistency (Penetration, worked, 60x) | 280 - 320 | 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 | 6.0 | ASTM D 5470-06 |
| Anticipated Minimum Bond line (mils) | 0.3 | Determined @ 1, 2, 5 and 20 mil thicknesses |
| Based on Filler Dimensions | 1 | |
| Operating Temperature Range | -40°C to 200°C | |
| Flow Rate grams/min. | 5-8 | AOS Method #1 |
| Appearance | Dark Gray 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>