Thermal Compound

CE
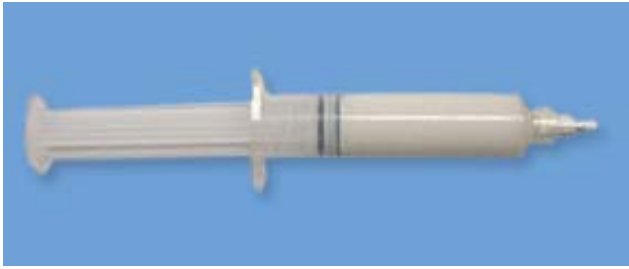
Model A-505

RoHS

- **Eliminates condensation**

- **Excellent thermal conductive synthetic paste**

- **No particle migration or fluid separation**

- **Withstands high working temperatures without evaporating or hardening**

The A-505 thermal compound is a synthetic ester based white homogeneous paste filled with heat conductive metal oxides, providing efficient thermal conductivity with negligible bleed and evaporation loss even at high working temperatures. A-505 exhibits no particle migration, fluid separation or hardening. Unlike silver oxide thermal compounds which may react with the temperature sensor probe in the presence of contaminants, the A-505 is totally inert and does not exhibit catalytic behavior between the probe material and the thermowell. The A-505 thermal compound has a specific gravity of 2.9 at 77°F, service temperature of -40°F to 392°F, and thermal conductivity exceeds 19.0 x 10-4 (calories/cm2/°C/sec/cm). The A-505 thermal compound is available in conveniently packaged 1-ounce syringes. We highly recommend using thermal compound with the A-500 thermowell to insure that there is no condensation within the thermowell and to improve the heat transfer from the media to the temperature sensor.

SPECIFICATIONS:

Substance: Zinc oxide paste

Safety: Non-hazardous

Weight: 1 oz. (28 grams)

Specific Gravity: 2.7 at 77°F (25°C)

Service Temperature: -40°F to 392°F (-40°C to 200°C)

Thermal Conductivity: Exceeds 19.0×10^{-4} calories/cm^2/°C/sec/cm

Packaging: 1 oz. (28 grams) syringes

A-505 is not considered a hazard under OSHA Hazard Communication Standard 29 CFR1910.1200.

ORDERING INFORMATION: A-505

MAMAC SYSTEMS®

A-505

MAMAC Systems is the leading global manufacturer of sensors, transducers, control peripherals and web browser based IP appliances. MAMAC products are used for HVAC and environmental controls, remote monitoring, alarming, energy metering and industrial automation.

All MAMAC products are manufactured in the USA.

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