

TECHNICAL PRODUCT BULLETIN



GENERAL DESCRIPTION

ALFA GR-105 is non-silicone thermal grease, formulated from a combination of an Alumina, Polysynthetic oil, Ceramic fillers and binding agents, that work together to provide a consistent mixture with outstanding thermal conductivity.

POTENTIAL USES

Gaps fill material between electronic heat sources and heat sink.

FEATURES AND BENEFITS

- Non-Sag or flowing
- Non-curing needed
- Non-Toxic
- Reworkable
- Easily cleaned
- Easy to apply
- Wet most surfaces
- High temperature stability

- *Thermally Conductive Paste*
- *Low Cost*
- *Very Low VOC*

TYPICAL PROPERTIES AND CHEMICAL CHARACTERISTICS

<u>Properties</u>	<u>Value</u>
Base	Polysynthetic oil
Filler	Ceramic
Specific Gravity, 25°C, gm/cc	2.70
Viscosity	Paste
<u>Thermal Properties</u>	
Thermal Conductivity W/m-K	1.8
Thermal resistance °C cm ² / W	0.77
Volatile Content %	0.04
Operating Temperature Range, °C	-60 to 205

APPLICATION METHODS

Screen Print, stencil print dispense.

USAGE INSTRUCTIONS

For industrial use only Read MSDS carefully prior to use.

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STORAGE HANDLING & SHELF LIFE

ALFA GR-105 has a shelf life of 5 years at room temperature (76°F) in an unopened container, settlings may occur during long term storage, it is recommended to re-mix the filler by hand or mechanical mixing. Keep container tightly closed store in cool area away from ignition sources and oxidizers, no special precautions need to be taken if product is handled according to directions. Shelf life is indicated on the product label, any special storage and handling instructions will be printed on the product container label.

CLEAN UP AND DISPOSAL

ALFA GR-105 can be removed by using solvents such as mineral spirit, heptane, or isopropyl alcohol. Dispose of in accordance with local, state and federal regulations for hazardous waste.

Limitations

ALFA GR-105 is neither tested nor represented as suitable for medical or pharmaceutical use.

AVAILABILITY

ENVIRONMENTAL IMPACT DATA

ODP	None	VOC	None
HCFC	None	HFC	None