

# Grey Ice *Cool it Right*

## Low Cost Thermal Solution for High-End Microprocessor

**Grey Ice** are New, high performance thermal greases designed to meet the thermal, reliability and low price requirements of high-end chipset, graphic processors trend and ever-faster clock speeds. They are used as efficient thermal “path” between a flip-chip microprocessor package and its device-cooling heat sink to fill the microscopic irregularities of the components, resulting in very low thermal resistance.

### Key Features:

- Excellent Thermal Conductivity
- Stable, Will not dry out, settle, harden or oxidize.
- Screen Printable
- Non-Silicone Advantages, No Creepage or Contamination
- Thin bond lines < 1 mil
- RoHS Compliance

### Applications:

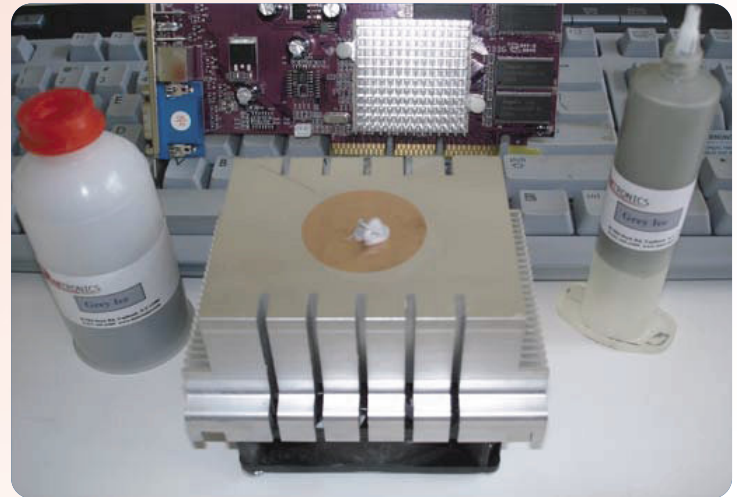
- CPUs (Notebooks, Desktops, Servers).
- GPUs (Graphics chips)
- Custom ASICS Chips
- Northbridge Chipsets
- Semiconductor devices
- Sealing thermistors, thermocouples
- Custom power modules  
Telecommunications and  
Automotive.

### Usage/Clean Ups:

1. For best results, the substrate surface should be cleaned and dried before application.
2. Apply thin film for optimum performance.
3. Standard approved clean-up and disposal procedures should be followed

### Convenient Packaging Options:

1. Pre-filled Syringes:  
3cc, 5cc, 10cc, 30cc
2. Cartridges, Jars, Pails, Drum.
3. Custom packaging available on request.



Properties	4100	5100
	Non-Silicone	Silicone
Color	Grey	Grey
Density	2.2 g/cc	2.2 g/cc
Viscosity	60,000 cps	70,000 cps
Thermal Conductivity	3.2 W/mK	3.2 W/mK
Thermal Resistance	0.014°C-In <sup>2</sup> /W	0.014°C-In <sup>2</sup> /W
Dielectric Strength	219 V/mil	225 V/mil
Temperature Range	-55°C to 200°C	-55°C to 205°C
Shelf Life	5 Years	5 Years