

## Product Data

# Thermally Conductive Silicone Grease Compound CXE50-80083 (TIG 1500)

**CXE50-80083\*** is a silicone compound that provides good thermal conductivity for use in a wide variety of thermal interfaces. It is designed to provide bulk thermal conductivity of 1.65 W/m.K while minimizing evaporation under harsh operating conditions to help maintain its grease properties better and longer than alternative product offerings in the similar cost range.

### KEY FEATURES

- ☐ Minimized evaporation
- ☐ Wide operating temperature range

### APPLICATIONS

Thermal Interface Material between heat spreaders and heat sinks, heat pipes (TIM2)

### TYPICAL PROPERTIES

Criteria		Properties
Appearance		White Paste
Specific Gravity (23°C)	g/cm <sup>3</sup>	2.7
Penetration <sup>1</sup> (23°C)		304
Viscosity (23°C)	Pa s (20 rpm)	61
Evaporation (200 °C 24h)	wt%	0.2
Thermal Conductivity <sup>2</sup>	W/m K	1.65
1: JIS K 2220k, 2: Hot Wire Method, Typical property data values should not be used as specifications		

### HANDLING AND SAFETY

- ☐ Wear eye protection and protective gloves as needed while handling the product.
- ☐ Use the product in a well ventilated area.

### STORAGE

- ☐ Store in a dark, cool place out of direct sunlight.
- ☐ Keep out of reach of children.

\*XS550-C80083 is a preliminary grade name. Product naming will ultimately change during final commercialization process.

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