



# ShinEtsu

## G-747

Shin-Etsu Silicones of America, Inc.  
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### Product Description

Shin-Etsu's G-747 thermal interface grease is a general purpose grease with a high thermal conductivity that also exhibits superior electrical properties and water repellency. G-747 has exceptional thermal and oxidative stability and is ideal for resin-encapsulated power transistors.

### Product Features

- High thermal conductivity
- Superior electrical properties
- Water repellency
- Thermal and oxidative stability

### Typical Applications

- Semiconductor elements
- Various heat sinks
- Resin-encapsulated power transistors

### Typical Properties

Type	Thermal Grease
One/Two Component	One
Low Molecular Weight Siloxane Stripped?	Y
Color	White
Density @ 23C (g/cm <sup>3</sup> )	2.65
Viscosity (Pa·s)	50
Penetration (1/10mm)	328
Volume Resistivity (TΩ·m)	2.500
Dielectric Strength (kV/mm)	15
Thermal Conductivity (W/m·K)	0.9
Thermal Resistance (mm <sup>2</sup> ·K/W)	7
% Oil Separation	0.01
% Volatile Content	0.06
Usable Temp. Range (C)	-50 to +150
Bond Line Thickness (μm)	8

*Note: Values are not for specification purposes.*

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