



G-747

Shin-Etsu Silicones of America, Inc.
800-544-1745

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 ³)	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 ² -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.

Warranty- The information and data contained herein are believed to be accurate and reliable; however it is the user's responsibility to determine suitability of use. Since Shin-Etsu Silicones, Inc. cannot know all of the uses to which its products may be put or the conditions of use, it makes no warranties concerning the fitness or suitability of its products for a particular use or purpose. You should thoroughly test any proposed use of our products and independently conclude satisfactory performance in your application. Likewise, if the manner in which our products are used requires governmental approval or clearance, you must obtain it. Shin-Etsu Silicones, Inc. warrants only that its products will meet its specifications. There is no warranty of merchantability of fitness of use, nor any other expressed or implied warranties. The user's exclusive remedy and Shin-Etsu Silicones, Inc.'s sole liability is limited to refund of the price or replacement of any product shown to be otherwise than as warranted. Shin-Etsu Silicones, Inc. will not be liable for incidental or consequential damages of any kind. Suggestions of uses should not be taken as inducements to infringe any patents.