

## **SG1610**

### **Thermal Conductive Silicone Grease**

#### **Product Description**

SG1610 is a silicone based, high performance thermal conductive grease designed to meet the thermal management and price requirements of electric and electronic devices. SG1610 has low viscosity and can be easily applied by screen printing or stencil printing methods.

SG1610 has good thermal conductivity. Its excellent wetting performance and thin bond line thickness result in very low thermal resistance.

#### **Features**

- Screen and Stencil printable
- Solvent free and low oil separation to ensure easy application even after long term storage
- High Thermal conductivity: 2.0W/m-K
- Low thermal resistance
- Can achieve thin Bond Line Thickness (BLT)
- Low viscosity and easy to use

#### **Approvals**

RoHS Compliant    Yes

#### **Typical Applications**

- CPU
- GPU(Graphics Chips)
- Northbridge Chipsets
- Automotive Electronics
- Integrated Gate Bipolar Transistors (IGBT)
- LEDs

#### **Copyright Electrolube 2013**

All information is given in good faith but without warranty. Properties are given as a guide only and should not be taken as a specification.

Electrolube cannot be held responsible for the performance of its products within any application determined by the customer, who must satisfy themselves as to the suitability of the product.

Ashby Park, Coalfield Way,  
Ashby de la Zouch,  
Leicestershire LE65 1JR

T +44 (0)1530 419 600

F +44 (0)1530 416 640

BS EN ISO 9001:2008  
Certificate No. FM 32082

### **Typical Properties**

|                                 |                             |
|---------------------------------|-----------------------------|
| Color:                          | Blue                        |
| Specific Gravity:               | 3.0                         |
| Viscosity:                      | 130,000cp                   |
| Operation Temperature Range:    | -50~+200°C                  |
| Thermal Conductivity:           | 2.0 W/mK                    |
| Thermal Resistance@50°C, 50psi: | 0.02°C-in <sup>2</sup> /W   |
| Bond Line Thickness at 50psi:   | 0.035mm                     |
| Volume Resistivity:             | 1.0*10 <sup>14</sup> ohm-cm |
| Dielectric Strength:            | 18KV/mm                     |

### **Storage**

Store from 5°C to 35°C with a maximum relative humidity of 50%. Do not store in a freezer.