High Temperature and High Thermally Conductive Paste

OMEGATHERM® thermal conducting paste is a high temperature and high thermally conductive paste product. They are specially formulated for permanent and temporary bonding of thermocouples, thin film RTDs, thermistors and other temperature sensors, to most surfaces–metals, ceramics, glass, plastics, paper products.

OMEGATHERM® products is compounded and packaged for convenient, easy mixing and application. Each formulation exhibits important characteristics necessary for accurate, fast, reliable temperature measurement. These are: good adhesion and strength, high temperature rating, high thermal conduction, high electric insulation, thixotropic consistency, fast cure, and easy application.

Typical Properties

Material	Silicone grease
Continuous Temperature	200°C (392°F)
Cure	Not required
Adheres to Most*	Wets most surfaces
Thermal conductivity (k) (BTU) (in)/(hr) (ft²) (°F)	Extremely high 16
Electrical Insulation	Very high 10^{14}

***M** = Metal PA = Paper products
C = Ceramic W = Wood
PL = Plastic

The above information, while determined by tests and evaluation, is offered only as a general guide. Actual suitability for a particular purpose must be determined by material user. This information is not to be taken as a warranty for which we assume legal responsibility.

OMEGATHERM® 201

OMEGATHERM® 201—is a very high thermally conductive filled silicone paste, ideally suited for many temperature measurement applications. This thick, grey, smooth paste wets most surfaces and will not harden on long exposure to elevated temperatures. It is rated for continuous use between -40 and 200°C (-40 and 392°F).

OMEGATHERM® 201 provides an excellent means of conducting heat and expanding the heat-path area from a surface to a temperature measurement sensor, thus increasing the speed of response and improving accuracy. Some applications are:

a) **Surface Measurement Probes—**dab a small amount on the surface and push the sensor into this area.

b) **Temporary bonding and encapsulating of temperature sensors—**simply dab OMEGATHERM® 201 onto the surface or in the cavity, plant the sensor in the paste, and tape to hold in place.

This highly versatile paste is supplied in ½, 2, 16, or 32 ounce size.

For Additional Cements See omega.com



To Order *(Specify Model Number)*	
Model No.	**Description**
OT-201-1/2	Thermally conductive paste, ½ oz jar
OT-201-2	Thermally conductive paste, 2 oz jar
OT-201-16	Thermally conductive paste, 16 oz can
OT-201-32	Thermally conductive paste, 32 oz can

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

OMEGA Engineering:

LC201-300 SMPW-E-F D8100 NHXH-K-M PX309-030GI TC-K-NPT-U-72 USHX-K-M TT-T-30-SLE-500 HPC-CH-S HSRTD-3-100-A-40-E KFH-3-120-C1-11L1M2R MPJ-U-F PX309-500GI PX409-005GI 1PT100KN1515CLA MSS-02 MTC-12-MC OS136A-1-MA WTJ-HD-72-S MSS-04 PX119-1KGI PX309-100G5V PX835-005GI PX409-100GUSBH SHX-U-M CF-000-RTD-2-60-1 P13R-005 5TC-TT-T-30-36 SMTC-15M ITHX-SD-5