



Thermal Silicone Grease LG-10

Description:

LG-10 is based on polysiloxane and supplemented with high thermal conductivity filler materials.

LG-10 thermal conductive silicone grease as a heat transfer medium, has the excellent high thermal conductivity, Low settling, room temperature storage, excellent high and low temperature resistance, good weather resistance and radiation resistance, excellent dielectric properties, excellent chemical and mechanical stability

In addition to its high thermal conductivity, this product does not produce stress when used, has high stability at -60 to +200°C.

It is tasteless, non-toxic, non-corrosive, safety and environmental protection, RoHS recognized.

Typical Technical Properties:

PROPERTIES	UNITS	LG-1012	LG-1031	LG-1041	TEST STANDARD
Appearance	/	White	Grey	Grey	Visual inspection
Thermal Conductivity	W/m·k	1.2	3.1	4.1	ISO 22007-2:2008
Thermal Resistance	@50 psi	0.025 °C · in2/W 0.161 °C · cm2/W	0.009 °C·in2/W 0.058 °C·cm2/W	0.012 °C·in2/W 0.077 °C·cm2/W	ASTM D5470
Viscosity @ 23°C	cps	3.5 x 105	1.5 x 106	1.5 x 105	Brookfield DV-II+ Spindle- T-F; Speed 2 rpm
Volume Resistivity	Ω·cm	≥7.0x1011	≥9.0x1013	≥8.0x1013	ASTM D257
Density	g/cm3	2.5	2.75	2.85	ASTM D792
Dielectric Constant	@1 MHz	5.8	6.3	5.5	ASTM D150
Service Temp.	°C	-40 to 200	-40 to 200	-40 to 200	***

Technical Data Sheet



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Usage:

When in use, this product requires a certain amount of pressure to flow and fill the gaps; it will not flow freely without pressure. In most applications, the LG-10 requires a leaf spring or screw to hold it under some pressure. LG-10 high thermal conductivity silicone resin will not crosslink, so it can be used when the radiator needs to be modified or replaced during the electronic assembly process. This product is easy to use.

Applications:

It can thoroughly wet the contact surface and improve heat dissipation efficiency in:

1. Laptops, projectors and OA office electronic products;
2. Mobile and communication equipment;
3. Radiator;
4. High-end industrial control and medical electronics;
5. Microelectronics and power module cooling;
6. LED lights;
7. Sensor;

Package &Storage:

In 20kg pail.

Keep in cool, dry and ventilated place. Keep away from sunlight and fire sources. Keep in unopened containers, shelf life is 24 months from the date of production. It is shipped as non-hazardous substance.

Storage beyond the shelf life does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.