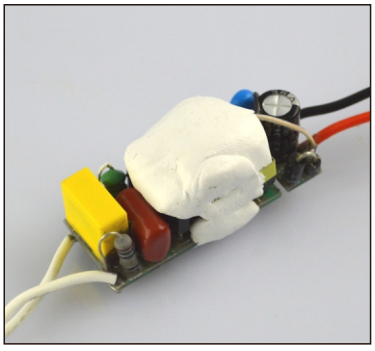
Thermal Grease / Paste

Thermal grease / thermal paste has excellent heat conductive, diversified operations and reliability stable performance, has good wettability on the surface of copper and aluminum. Due to the lower viscosity,it can sufficient wetting contact surface to form the low interface thermal resistance, which can rapidly transfer heat energy to the radiating heat device.It is with high efficiency of heat transfer. Thermal grease / thermal paste has good electrical insulation and low consistency, easy to use.

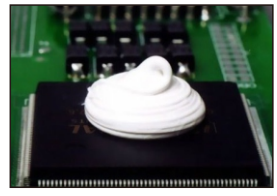
Feature

◆Thermal impedance 0.016-0.06℃-in/W, extremely low thermal resistance and good heat transfer, thoroughly wetting contact surface, improving the heat dissipation effect, safety and environmental protection, it passed the RoHS certification.
◆Low oil yield, low volatilization rate;
◆High thermal conductivity, excellent electrical insulation and stability, good performance to resist high and low temperature;
◆Water resistance, not curing, without corrosion to metal material (copper, aluminum, steel)
◆Extremely low volatilization loss, low melting, not dry, good material adaptability,wide use temperature range（－50～＋250℃）;
◆Non-toxic, odorless, no corrosion, stable in chemical physics properties.



Application

Between semiconductor and cooling fins, CPU and radiator, between power resistor and the base, power supply LED, LCD, PDP etc.



Specifications

30g/ syringe, 1kg/tube, 5kg/tube,10kg/tube.

Storage conditions

seal stored in a cool and dry place.

PROPERTIES PARAMETERS						
Test Item	**Unit**	**Numerical Value**				**Testing Method**
Model No.	--	GD100	GM280	GM400	GM500	--
Color	--	White	White	White	Grey	Visual
Odor	--	None	None	None	None	--
Specific Gravity	g/m1	1.35	2.8±0.1	3.0±0.1	4.0±0.1	ASTM D792
Oil Leakage Rate	%	0	≤0.2	≤0.2	≤0.2	--
Viscosity	cps	60	180---230	180---230	180---230	GB/T 10247
Dielectric Strength	@1MHz	3.2	4.5	5.2	5.8	ASTM D149
Volume Resistivity	Ω.cm	5.0*1013	6.5×1011	7×1011	8×1013	ASTM D257
Thermal Conductivity	W/m-K	2.0	1.5	3.2	4.2	ASTM D5470
Thermal Impedance	℃-in/W	0.029	0.06	0.025	0.016	ASTM D5470
Continuous Use Temp	℃	-60-200	-45----200	-45----200	-45----200	NA