

STC 640 THERMALLY CONDUCTIVE GREASE



DESCRIPTION

STC 640 is a grease-like silicone compound having high thermal conductivity for use in high performance CPU's and GPU's. It has excellent thermal performance especially the low thermal resistance among current products and excellent heat stability. STC 640 unique formula won't dry out, harden or oxidize. It's ideal for situations where automatic dispensing and screen-printing are required.

BENEFITS

- ~ Excellent high penetration property
- ~ High thermal conductivity (1.8W/m.K)
- ~ No solvents
- ~ Excellent electrical properties
- ~ Wide temperature resistance (-50~+155)
- ~ Non-toxic and environmentally safe
- ~ Very low bleed

USES

- ~ Radiating heat of CPU & GPU Module
- ~ Sealing thermistor for high power LED
- ~ Applied between power transistor and heat sink
- ~ Applied to high power supply modules

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

STC 640 TYPICAL RPROPERTIES

These values are not intended for specification.

As Supplied

Color

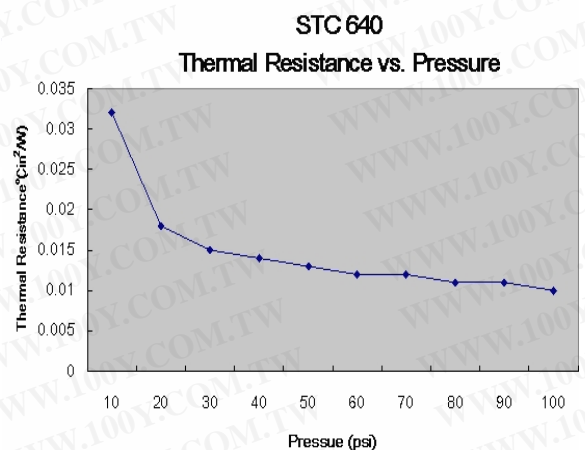
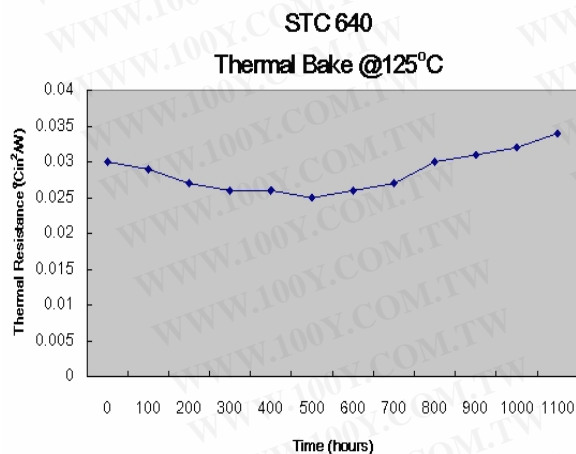
Gray Paste

Physical Properties

Specific Gravity at 25	2.20
Consistency, Penetration (unworked), mm/10	550
Thermal Conductivity, W/m.K	1.8
Thermal resistance, @50psi, $\text{-in}^2/\text{W}$	0.012
Bleed after 24hr at 125 , %	< 0.1
Evaporation after 24hr at 125 , %	< 0.1

Electrical Properties

Dielectric Strength, kV/0.25mm	2.2
Volume Resistivity, Ohm.cm	3×10^{11}
Dielectric Constant at 1MHz	6.0
Dissipation Factor at 1MHZ	2×10^{-2}



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CAUTIONS

- ~ Storage: STC 640 should be stored at cool place of direct sunlight or below 30 and away form oxidizing materials
- ~ Wear eye protection and protective gloves as required when operate STC640.
- ~ Keep out of the reach of children

PACKAGE

STC 640 is available in 1kg, 2kg and 10kg package or custom packaged in 65g syringes and 700g cartridge for automated dispenser applications.

LIMITATION

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.