



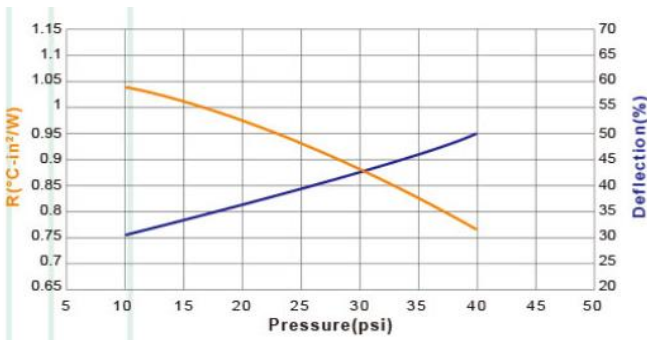
Features

- Non siloxane and oil-bleed
- Ultra soft and great elongation
- Very low thermal impedance
- Electrical insulation
- Great thermal conductivity

Applications

Applications that require no silicone
 Electronic components: IC, CPU, MOS, LED,
 Mother Board, Power Supply, Heat Sink, LCD-TV,
 Notebook, PC, Telecom device, Wireless hub,
 DDR II Module, DVD Applications, Hand-set applications etc.

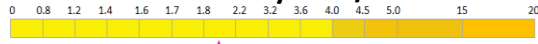
Thermal Resistance VS. Pressure VS. Deflection



| Pressure (psi) | R(°C-in ² /W) | Deflection(%) |
|----------------|--------------------------|---------------|
| 10 | 1.04 | 31 |
| 20 | 0.98 | 42 |
| 40 | 0.76 | 50 |

Properties ◆ REACH Compliant ◆ RoHS Compliant ◆ UL Compliant

Thermal Conductivity: 2 W/m.K



Hardness: 65 (Shore 00)



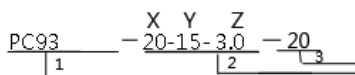
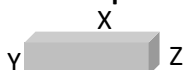
Testing sample thickness: 1.0mm

In "Thermal resistance V.S. Pressure V.S. Deflection" chart, PC93 provides low thermal impedance. The pressure gets higher, the thermal impedance gets lower, and deflection percentage gets higher. PC93 provides good compliance and softness.

| Properties | PC93 | Unit | Tolerance | Test Method |
|--------------------------------|-------------------|-----------------------|-----------|-------------|
| Thermal Conductivity | 2 | W / mK | ±0.2 | ASTM D5470 |
| Thickness | 0.5~5.0 | mm | - | ASTM D374 |
| (the thickness can be ordered) | 0.0197~0.1969 | inch | - | ASTM D374 |
| Color | Gray | - | - | Visual |
| Flame Rating | V-0 | - | - | UL 94 |
| Dielectric Breakdown Voltage | 10 | KV / mm | ±1 | ASTM D149 |
| Weight Loss | <1 | % | - | ASTM E595 |
| Density | 2.1 | g / cm ³ | ±0.2 | ASTM D792 |
| Working Temperature | -30~+125 | °C | - | - |
| Volume Resistance | >10 ¹⁰ | Ohm-m | - | ASTM D257 |
| Elongation | 350 | % | - | ASTM D412 |
| Tensile Strength | 1 | Kgf / cm ² | - | ASTM D412 |
| Standard Shape | Sheet ones | - | - | - |
| Hardness | 65 | Shore 00 | ±10 | ASTM D2240 |

Need samples?

Pre-cut for different shapes



1. Choose the P/N
2. Fill into size:x.y.z
3. Fill the quantity you need

T-Global Technology Co., Ltd

No. 33, Ln. 50, Daren Rd., Taoyuan Dist., Taoyuan City 330, Taiwan

TEL: +886-3-3618899

www.tglobalthermal.com

FAX: +886-3-3665666

www.tglobal.com.tw

Thermal Interface Materials: Thermal Pad, Thermal Tape, Thermal Grease, Ceramic Heat Spreader

