

# HEATFLOW-SIL

# LY-TCS-2010US

HEATFLOW-SIL TCS-2010US is an extremely conformable, low modulus silicone polymer filled with special conductive filler that excellent heat conductivity and flame retardant UL94V-O level together with good electrical properties.



HEATFLOW-SIL TCS-2010US is specially designed for applications requiring maximum heat transfer away through metal chassis or heat spreader and a minimum pressure on components.

HEATFLOW-SIL TCS-2010US is a thermally conductive silicone supplied on a thin PET film carrier or glass fiber allowing for easy material handling and enhanced puncture, shear, and tear resistance.

### Special feature

- Ultra soft and flexible elastic silicone conformable pads
- Any thickness are available
- Good heat conductivity
- Excellent electrical insulation properties
- Excellent flame retardant as UL94V-O level
- Easy for cutting and mounting

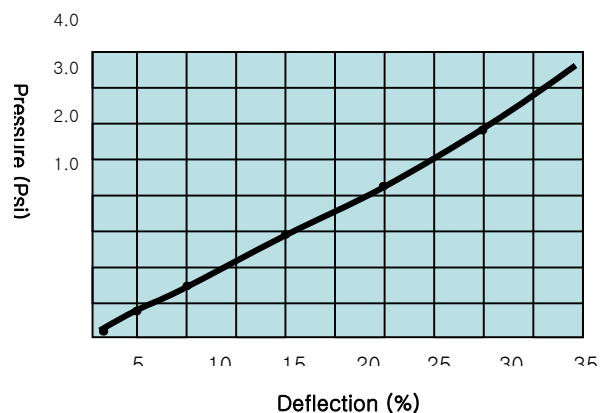
### Application

- Areas where heat needs to be transferred away to the frame chassis or other type of heat spreader
- Between a CPU and a heat spreader
- Between a CD ROM and a heat spreader
- Between a semiconductor and heat sink
- Replacement for messy grease

### Products supply

HEATFLOW-SIL TCS-2010US is available in standard size and custom width and length  
Standard Size (mm) : 200×200, 210×300

### Force VS. Deflection Curve



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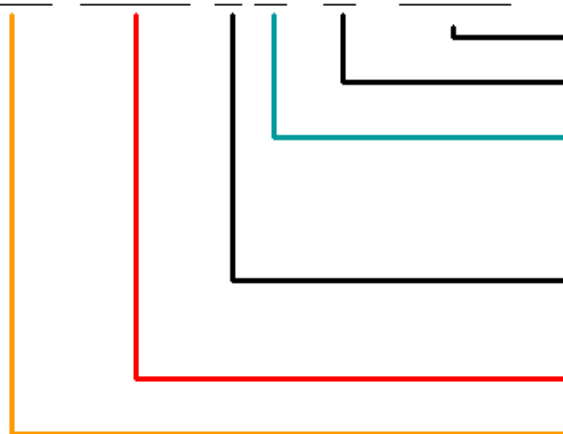
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## PROPERTIES

Properties		Value	Test Method
Thickness	(mm)	0.5 ~ 10	ASTM D 374
Color		White	Visual
Reinforcement			
Hardness	(Shore 00)	5	ASTM D 2240
Specific Gravity	(g/cm <sup>3</sup> )	1.6	ASTM D 792
Continue Use	(°C)	-60 ~ +200	
Thermal Conductivity	(w/m.K)	1.0	ASTM D 5470
Dielectric Constant		5.5	ASTM D 150
Dielectric Breakdown	kV AC	>6	ASTM D 149
Volume Resistivity	ohm Meter	10 <sup>13</sup>	ASTM D 257

## B) How To Order (Part Number)

TCS - 2010US - F A1 - 5.0 - 100\*200



Sheet Size at mm, Standard Size : 200\*400, 210 \* 300

Thickness at mm , 5.0 : 5.0mm

Adhesive Coating

A1 : one side adhesive

A0 : Non adhesive

Reinforcement

(O : Non , F : Fiber Glass, P : PET )

US : Ultra Soft

TCS : Thermal Conductive Soft Type