

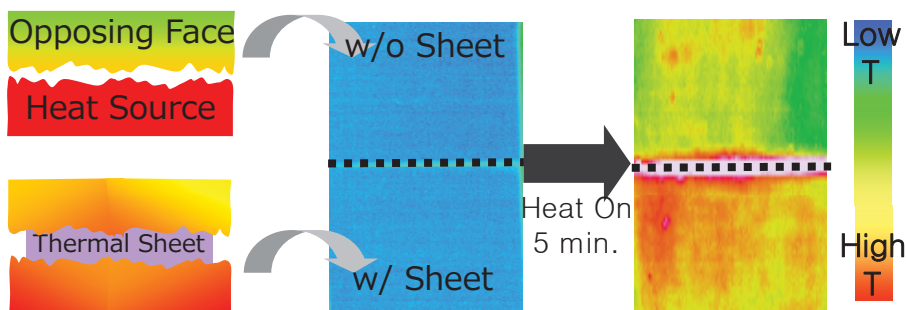
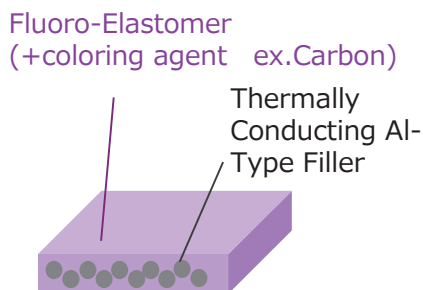
Fluoro-Thermal Conductive Sheet

For locations where rapid heating/cooling and uniform heat distributions are necessary.
To improve upon the ordinary silicone thermal interface sheet.

- ◆ **High Heat Resistance (Temperature Range 250~300°C)**
- ◆ **Resistance to various chemicals and gases**
- ◆ **Minimal Low Molecular Weight Siloxane**
- ◆ **Low adhesion to the opposing surface**



Description



Our unique mixture achieves both flexibility and thermal conductivity

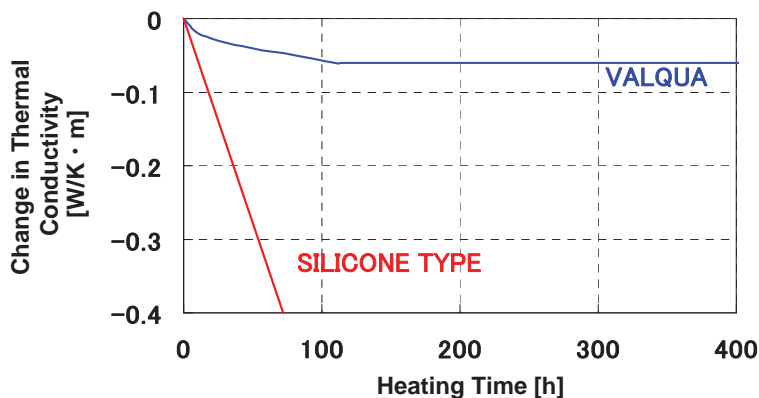


Constant contact with the opposing face ensures faster, more efficient heat transfer

Comparison

		VALQUA PRODUCT	Silicone Thermal Sheet
Maximum Temperature		250~300°C	~200°C
Chemical Resistance		Good	Fair
Low Adhesion		Good	Fair
Siloxane Content		Not Detected	Several 100 ppm
Bleed Characteristics		Excellent	Poor
Lifetime	Hardness	No change upon heating	Degradation upon heating
	Thermal Conductivity	No change upon heating	Decreases upon heating

Use for extended periods of time under harsh conditions by improving upon Silicone sheet weaknesses



Fluoro-Thermal Conductive Sheet

Product Lineup

Category	Soft Type		Medium Type		Hard Type		Method
Thermal Conductivity [W/m·K]	0.7		0.9		1.0		JIS R1611
Max. Temp.[°C]	250		250		300		—
Hardness	35		60		85		ASKER-C
Thickness [mm]	0.5 ±0.05	1.0 ±0.1	0.5 ±0.05	1.0 ±0.1	0.5 ±0.05	1.0 ±0.1	—
Thermal Resistance [°C/W]	3.7	7.0	4.3	5.9	4.1	5.5	ASTM D5470
Recommended Compression [%]	20~40%						—
Density [g/cm ³]	2.9						JIS K6268
Volume Resistivity [$\Omega \cdot \text{cm}$]	Above 10^{12} (Insulating)						JIS K6911
Thickness Available	0.5~2.0mm						—
Dimensions Available	100mm x 100mm		200mm x 200mm				—

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