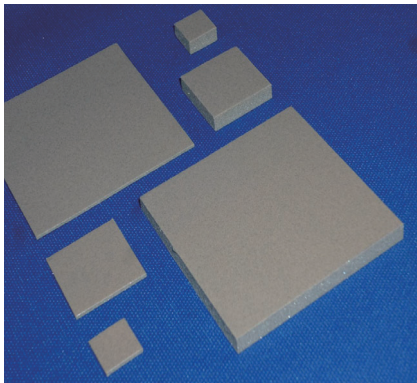


COOLPROVIDE™ / CPVH



**3W/m·K thermal pad (ASKER C 15)
for high operating temperature applications**

Features

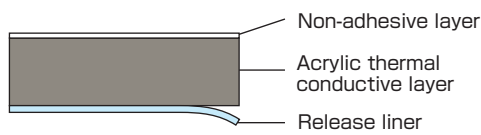
- Super compliant (ASKER C 15) material minimizes thermal resistance.
- Compliant thermal pad with excellent compressive stress relaxation that reduces the load to heat element and PCB.
- Silicone-free, no siloxane outgassing.
- Oil bleeding is reduced compared to silicone-based thermal materials.

(The values below are not guaranteed.)

Test type	Unit	Standard	CPVH-F	CPVH
Thermal Conductivity	W/m·K	JIS R 2616 (Hot-wire method)	3.0	3.0
		ISO22007-2 (Hot Disc method)	2.2	2.2
Color	—	—	Brown	Brown
Thickness	mm	—	0.5/1.0/1.5/2.0	2.0/3.0/4.0
			2.5/3.0/3.5/4.0	
Specific Gravity	—	JIS Z 8807	2.33	2.33
Hardness	ASKER C	JIS K 7312	15	15
	Shore OO	ASTM D 2240	47	47
Tensile strength	MPa	JIS K 6251	0.25	0.15
Elongation	mm	JIS K 6251	2.79	51.9
Volume Resistivity	Ω·cm	JIS K 6911 compliant	1.0×10 ¹¹	1.0×10 ¹¹
Breakdown voltage	kV/mm	JIS C 2110-1 compliant	2.7	3.1
Withstanding voltage	kV/mm	JIS C 2110-1 compliant	2.1	1.9
Dielectric constant	1 MHz	Company standard	18.2	19.6
Loss tangent	1 MHz	Company standard	0.08	0.08
Flammability	—	UL94	V-0	V-0
Operating temp	°C	—	-40~125	-40~125
Available max. dimension ^{*)}	mm	—	210×510	210×510

* 1) Please contact us for available pcs/sheet.

One-side tacky type / CPVH-F



Both-side tacky type / CPVH

