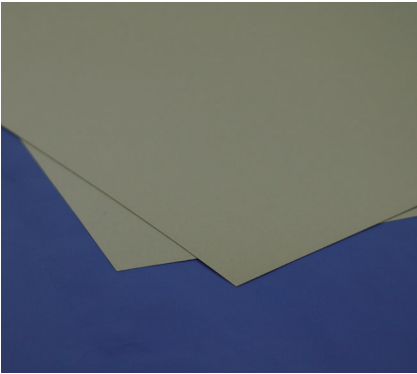


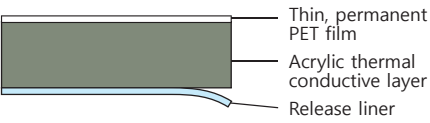
COOLPROVIDE™ / CPVT



Ultra thin thermal sheet is suitable for limited gap space such as in mobile applications.

Features

- Thickness ranging from 0.1mm~0.25mm at 0.05mm pitch minimizes PCB load. Self-tacky sheet provides easy workability compared to grease application.
- Super compliant (ASKER C 28) material minimizes thermal resistance.
- Silicone-free, no siloxane outgassing.
- Suitable for thin designs of peripheral devices such as smartphones, tablets, etc.



(The values below are not guaranteed.)

Test type	Unit	Standard	CPVT-F
Thermal Conductivity	W/m·K	JIS R 2616 (Hot-wire method)	2.0
		ISO22007-2 (Hot Disc method)	1.4
Color	—	—	Green
Thickness	mm	—	0.10 / 0.15
			0.20 / 0.25
Specific Gravity	—	JIS Z 8807	1.94
Hardness	ASKER C	JIS K 7312	34
	Shore 00	ASTM D 2240	—
Tensile strength	MPa	JIS K 6251	4.38
Elongation rate	%	JIS K 6251	4.9
Volume Resistivity	$\Omega \cdot \text{cm}$	JIS K 6911 compliant	1.0×10^{13}
Breakdown voltage	kV/mm	JIS C 2110-1 compliant	11.1
Withstanding voltage	kV/mm	JIS C 2110-1 compliant	5.0
Dielectric constant	1MHz	Company standard	6.69
Loss tangent	1MHz	Company standard	0.08
Flammability	—	UL94	—
Operating temp	°C	—	-20 ~ 100
Available max. dimension ^{※1}	mm	—	200×500

※1) For usable dimensions, custom cuts, and material yield, contact your local sales department.