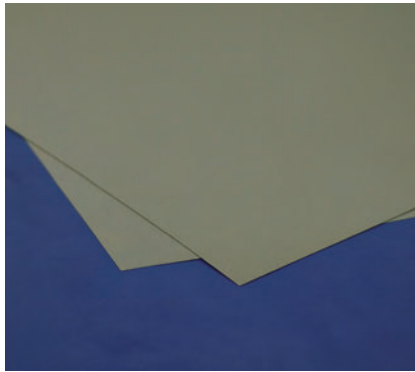


COOLPROVIDE™ / CPV T



Ultra thin thermal conductive 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 34) material minimizes thermal resistance.
- Silicone-free TIM generates no siloxane gas and has less oil bleeding.

(The values are measured values,
but not the product specifications or 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*1	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
Tracking resistance	—	JIS C 2134	PCL:0 (600V or higher) ($t=3.0\text{mm}$)
Dielectric constant	1MHz	—	Company standard
Loss tangent	1MHz	—	Company standard
Flammability	—	UL94	—
Operating temp	°C	—	-20~100
Available max. dimension*2	mm	—	1 9 0 × 4 9 0

* 1) Measured Ultra soft/Super soft/Soft layer, minimum 10mm stacked.

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

