



Dual Function Noise Suppression thermal conductive sheet

Features

- CPLK's low permittivity 5.4/1MHz has a significant effect on noise reduction.
- Low-dielectric thermal conductive sheet helps to reduce noise in GHz bands, which occurs by heat sink's resonance phenomena.
- Silicone-free generates no siloxane gas and oil bleeding.

(The values are measured values, but not the product specifications or guaranteed.)

Test type	Unit	Standard	CPLK-F
Thermal Conductivity	W/m·K	JIS R 2616 (Hot-wire method)	2.0
		ISO22007-2 (Hot Disc method)	1.4
Color	—	—	Purple
Thickness	mm	—	1.0/1.5/2.0
Specific Gravity	—	JIS Z 8807	2.0
Hardness*1	ASKER C	JIS K 7312	30
	Shore 00	ASTM D 2240	60
Tensile strength	MPa	JIS K 6251	0.39
Elongation rate	%	JIS K 6251	9.1
Volume Resistivity	Ω·cm	JIS K 6911 compliant	1.0×10 ¹¹
Breakdown voltage	kV/mm	JIS C 2110-1 compliant	6.6
Withstanding voltage	kV/mm	JIS C 2110-1 compliant	3.0
Tracking resistance	—	JIS C 2134	PLC:0 (600V or higher) (t=3.0mm)
Dielectric constant	1MHz	Company standard	5.40
Loss tangent	1MHz	Company standard	0.003
Flammability	—	UL94	V-0 equivalent
Operating temp	°C	—	-40~125
Available max. dimension*2	mm	—	200×500

*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.

