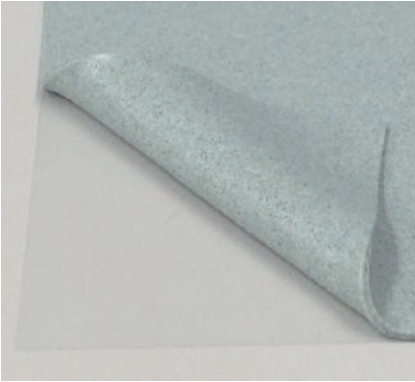


COOLPROVIDE™ / CPSH



5W/m·K Silicone-Free Thermal Pad

Features

- High performance (5W/m·K) and soft (ASKER C 32) silicone-free thermal pad.
- Crowds out air bubbles to reduce thermal resistance.
- No siloxane outgassing or oil bleed.
- Operating temperature: -40 ~ 125°C
- Custom profile available upon request.

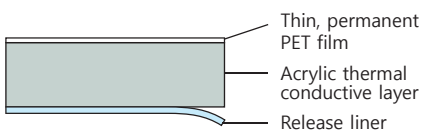
(The values below are not guaranteed.)

Test type	Unit	Standard	CPSH-F	CPSH
Thermal Conductivity	W/m·K	JIS R 2616 (Hot-wire method)	5.0	5.0
		ISO22007-2 (Hot Disc method)	3.65	3.65
Color	—	—	Light green	Light green
Thickness	mm	—	0.5 / 1.0 / 1.5 / 2.0	1.0 / 1.5 / 2.0
			2.5 / 3.0 / 3.5 / 4.0	2.5 / 3.0 / 3.5 / 4.0
Specific Gravity	—	JIS Z 8807	2.89	2.89
Hardness	ASKER C	JIS K 7312	32 ^{※1}	32
	Shore 00	ASTM D 2240	64	64
Tensile strength	MPa	JIS K 6251	0.37	0.21
Elongation rate	%	JIS K 6251	10	20
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	2.2	2.0
Withstanding voltage	kV/mm	JIS C 2110-1 compliant	1.4	1.2
Tracking resistance	—	JIS C 2134	600 ≤CTI (t=4.0mm)	600 ≤CTI (t=4.0mm)
Dielectric constant	1MHz	Company standard	18.2	18.8
Loss tangent	1MHz	Company standard	0.01	0.01
Flammability	—	UL94	V-0 ^{※2}	V-0 equivalent
Operating temp	°C	—	-40 ~ 125	-40 ~ 125
Available max. dimension. ^{※3}	mm	—	200×500	200×500

※1) 0.5F:ASKER C 55 ※2) Flammability V-0 is not applied to 0.5F.

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

One-side tacky type / CPSH-F



Both-side tacky type / CPSH

