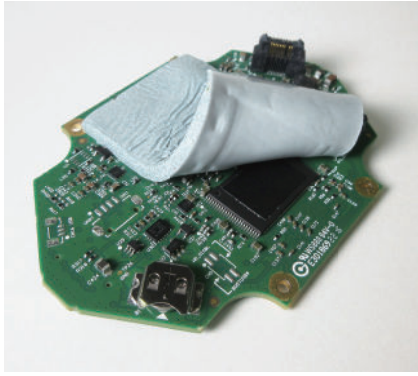




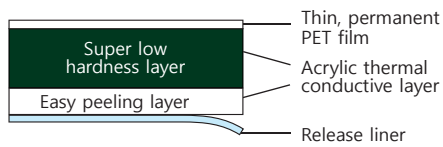
※CPVP : 2.0W/m·K



2-layer putty-like thermal pad with excellent stress relief

Features

- Low compression force and excellent stress relaxation.
- Super compliant (ASKER C 0) material layered between thin permanent PET film and light tacky layer for easy handling.
- No concerns for siloxane outgassing or oil bleeding.
- Operating temperature: -40 ~ 125°C
- Custom die-cutting available upon request.



(The values below are not guaranteed.)

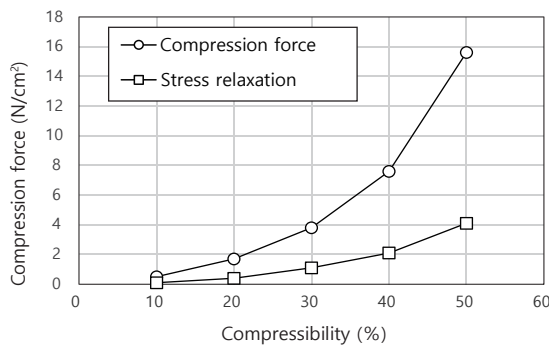
Test type	Unit	Standard	CPVP-F	CPVP-30-F
Thermal Conductivity	W/m·K	JIS R 2616 (Hot-wire method)	2.0	—
		ISO22007-2 (Hot Disc method)	1.4	3.0 ^{※2}
Color	—	—	Darkgreen / White	Green / White
Thickness	mm	JIS Z 8807	1.0 / 1.5 / 2.0 / 3.0 4.0 / 5.0 / 6.0	3.0 / 4.0
Specific Gravity	—	JIS K 7312	—	2.62
Hardness	ASKER C	ASTM D 2240	0 ^{※2}	7 ^{※2}
	Shore 00	JIS K 6251	—	18 ^{※2}
Tensile strength	MPa	JIS K 6251	—	0.38
Elongation rate	%	JIS C 2134	—	7.9
Volume Resistivity	Ω·cm	JIS K 6911 compliant	1.0×10 ¹¹	1.0×10 ¹¹
Tracking resistance	—	JIS C 2134	600 ≤ CTI (t=6.0mm)	—
Breakdown voltage	kV/mm	JIS C 2110-1 compliant	—	4.4
Withstanding voltage	kV/mm	JIS C 2110-1 compliant	—	3.5
Dielectric constant	1MHz	Company standard	—	11.9
Loss tangent	1MHz	Company standard	—	0.01
Flammability	—	UL94	V-0	V-0
Operating temp	°C	—	-40 ~ 125	-40 ~ 125
Available max dimension ^{※1}	mm	—	200×500	200×500

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

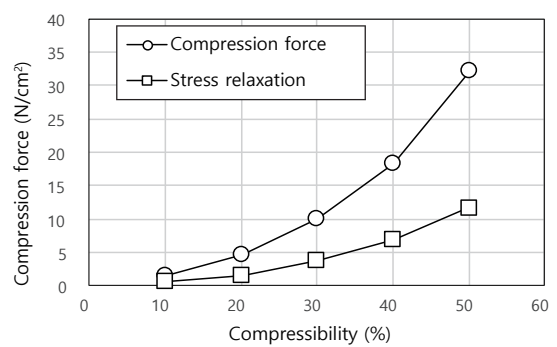
※2) Super low hardness layer

■ Compressive stress relaxation properties

● CPVP-F



● CPVP-30-F



<Test conditions>

Sample dimensions : □10mm(t=4.0mm)

Cross-head speed : 1mm/min

Compression plate materials

Upper : Stainless steel Φ28mm

Lower : Gold plated copper Φ106mm

※ Compression force values are the largest load immediately after compression.

※ Stress relaxation values are load after 3 minutes of compression.