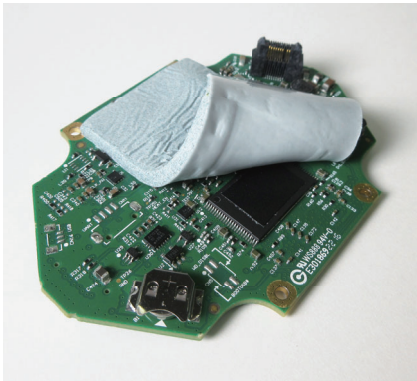




※CPVP : 2.0W/m-K



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

特長

- 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.

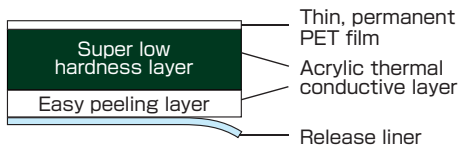
(The values below are not guaranteed.)

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	2.5 or more (Super soft layer: 3.0)
Color	—	—	Darkgreen/White	Green/White
Thickness	mm	JIS Z 8807	1.0/1.5/2.0/3.0	1.0/2.0/3.0/4.0
			4.0/5.0/6.0	
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 re sistance	—	JIS C 2134	600≤CTI (t=6.0mm)	600≤CTI (t=4.0mm)
Breakdown voltage	kV/mm	JIS C 2110-1 compliant	—	4.4
Withstanding voltage	kV/mm	JIS C 2110-1 compliant	—	3.5
Dielectric constant	1 MHz	Company standard	—	11.9
Loss tangent	1 MHz	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

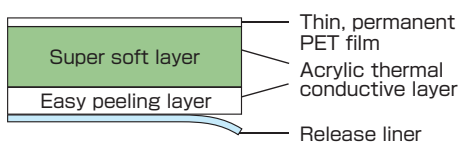
*1) For usable dimensions, custom cuts, and material yield, contact your local sales department.

*2) Super soft layer

One-side tacky type / CPVP-F

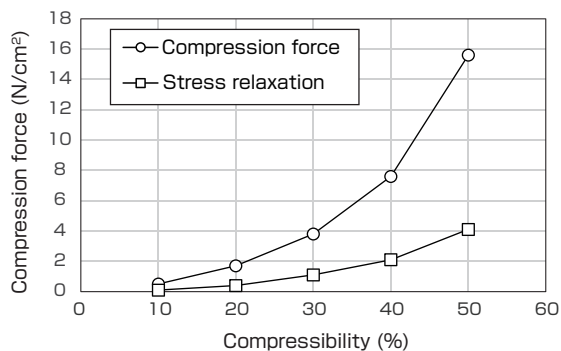


One-side tacky type / CPVP-30-F

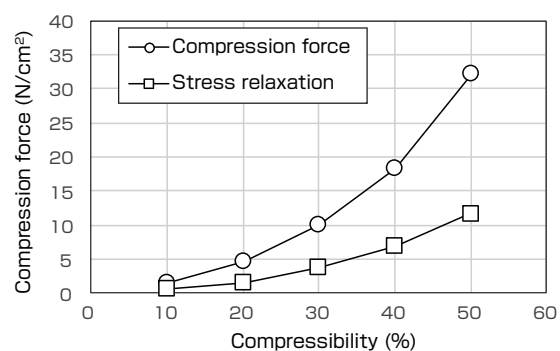


Compressive stress relaxation properties

● 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.