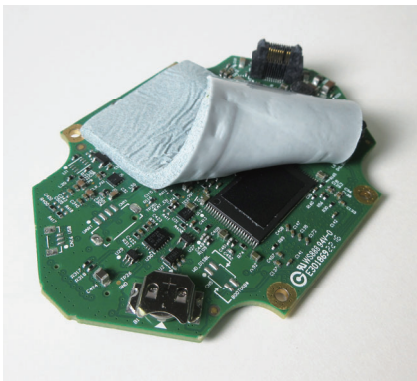




※CPVP : 2.0W/m-K



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

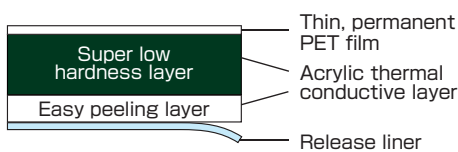
### 特長

- 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.)

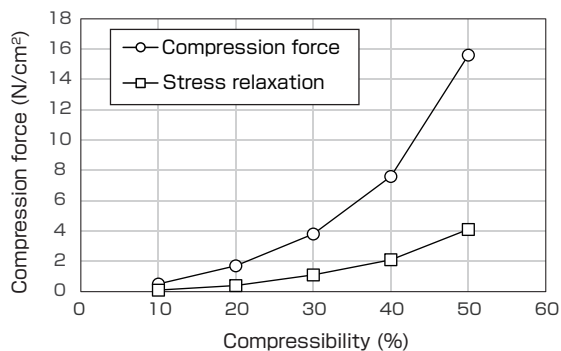
Test type	Unit	Standard	CPVP-F	CPVP-30-F
Thermal Conductivity	W/m-K	JIS R 2616 (Hot-wire method)	2.0	—
		ISO 22007-2 (Hot Disc method)	1.4	3.0 <sup>*2</sup>
Color	—	—	Darkgreen/White	Green/White
Thickness	mm	—	1.0/1.5/2.0/3.0	1.0/2.0/3.0/4.0
		JIS Z 8807	4.0/5.0/6.0	—
Specific Gravity	—	JIS K 7312	—	2.62
Hardness	ASKER C Shore 00	ASTM D 2240	0 <sup>*2</sup>	7 <sup>*2</sup>
		JIS K 6251	—	18 <sup>*2</sup>
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 <sup>11</sup>	1.0×10 <sup>11</sup>
Tracking resistance	—	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 <sup>*1</sup>	mm	—	200×500	200×500

※ 1) For usable dimensions, custom cuts, and material yield, contact your local sales department.  
 ※ 2) Super low hardness layer

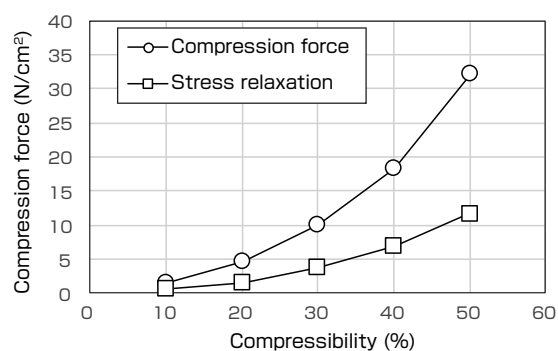


## Compressive stress relaxation properties

### ● 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.