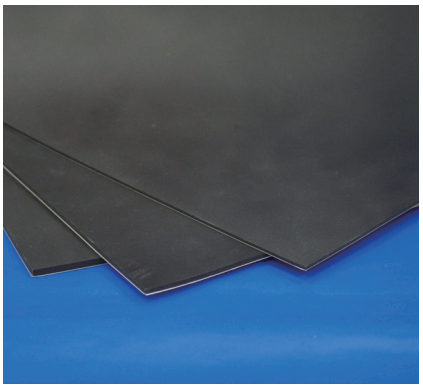
Thermally conductive Silicone-free type

THERMAL DAMPER/ CPAG

High damping

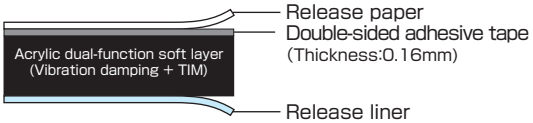


Thermal conductive and vibration damping material (loss factor of 0.9)

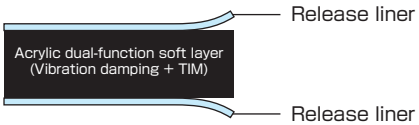
Features

- Dual function thermal conductive and vibration damping sheet.
- Excellent vibration control. (loss factor 0.9)
- Custom profiles can be provided upon request.
- Silicone-free, no siloxane outgassing.

With adhesive tape／CPAG-T



With no adhesive tape／CPAG



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

Test type		Unit	Standard	CPAG-T	CPAG
Thermal Conductivity		W/m·K	JIS R 2616 (Hot-wire method)	—	0.8
			ISO22007-2 (Hot Disc method)	Min. 0.5 (Soft layer:0.72)	0.72
Color		—	—	Black	Black
Thickness		mm	—	0.5／1.0／2.0 3.0／4.0／5.0	0.5／1.0／2.0 3.0／4.0／5.0
Specific Gravity		—	JIS Z 8807	Min. 1.57 (Soft layer:1.67)	1.67
Hardness*1		ASKER C	JIS K 7312	70	70
		Durometer typeA	JIS K 6253	A 64	A 64
Tensile strength		MPa	JIS K 6251	—	—
Elongation rate		%	JIS K 6251	—	—
Volume Resistivity		Ω·cm	JIS K 6911 compliant	5.54×10^{11}	5.54×10^{11}
Breakdown voltage		kV/mm	JIS C 2110-1 compliant	—	—
Withstanding voltage		kV/mm	JIS C 2110-1 compliant	—	—
Tracking resistance		—	JIS C 2134	—	—
Dielectric constant	1MHz	—	Company standard	—	—
Loss tangent	1MHz	—	Company standard	—	—
Flammability		—	UL94	—	V-1 equivalent(t2.0mm) V-0 equivalent(t3.0-5.0mm)
Loss Factor		—	Half-power bandwidth method	0.9	0.9
Operating temp		℃	—	-10～100	-10～100
Available max. dimension*2		mm	—	335×335*3	335×335*3

＊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.
＊3) t=0.5 : 200×200

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