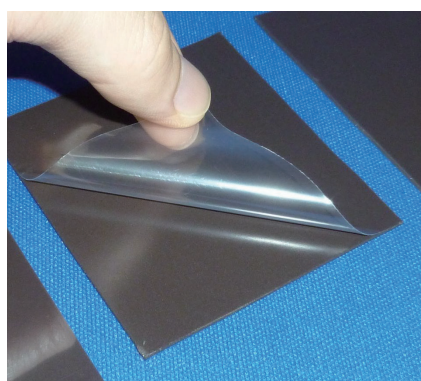




Dual-function high permeability EMI absorber thermal conductive sheet

Features

- Achieved both low hardness (Asker C 40) and high permeability ($\mu' = 13$) in a silicone-free sheet.
- Have excellent adhesion, performs heat conduction and MHz~GHz range electromagnetic wave attenuation simultaneously.
- Silicone-free generates no siloxane gas and oil bleeding.

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

Test type	Unit	Standard	EMPV4-F
Thermal Conductivity	W/m·K	JIS R 2616 (Hot-wire method)	1.5
		ISO22007-2 (Hot Disc method)	1.3
Color	—	—	Black
Thickness	mm	—	1.0/1.5/2.0
			2.5/3.0/3.5
Specific Gravity	—	JIS Z 8807	3.55
Hardness*1	ASKER C	JIS K 7312	40
	Shore 00	ASTM D 2240	70
Tensile strength	MPa	JIS K 6251	0.51
Elongation rate	%	JIS K 6251	16
Volume Resistivity	$\Omega \cdot \text{cm}$	JIS K 6911 compliant	1.0×10^{12}
Breakdown voltage	kV/mm	JIS C 2110-1 compliant	6.0
Withstanding voltage	kV/mm	JIS C 2110-1 compliant	4.2
Tracking resistance	—	JIS C 2134	PLC:2 (350V) (t=3.5mm)
Dielectric constant	1 MHz	—	Company standard
Loss tangent	1 MHz	—	Company standard
Flammability	—	UL94	V-0 equivalent
Permeability	10MHz	—	13
Operating temp	°C	—	-40~110
Available max. dimension*2	mm	—	200×500

* 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.

