Insulating &Heat Sink Materials

Thermal Insulator Pads

❖ Description:

Thermal Insulator pads are a great alternative to natural mica insulator pads.it has excellent thermal and electrical properties, where it can be used in many electrical appliances and electronic devices.we use fiberglass as reinforcement carrier to protect sheets against tear,cut-through and punctures.An optional adhesive layer is avallable on one or two sides.products are available in several different forms to suit various applications.

❖ Features:

1、Excellent dielectric strength.

2、Excellent mechanical strength and puncture resistance.

3、High temperature endurance with UL recognized flame retardation rating.

4、Friction and compression endurance.

5、Available with or without acrylic PSA (specific adhesive upon request).

6、Customized dimension upon customers' request.

7、Meet ROHS specifications.

❖ Technical lnformation:

	Proertles	HC-1000	Unit	Test Method
Physlcal	Color	Gray	Visual	----
	Reinforcement Layer	Fiberglass	----	----
	Finish	Smooth	Visual	----
	Thickness(Tol.±0.02)	0.23~0.8	mm	ASTM D374
	Operating Temperature	-40~ +220	℃	----
Mechanical	Specific gravity	1.60	g/cm3	ASTM D792
	Tensile Strength	150	kgf/cm2	ASTM D412
	Tear Strength	6.7	kgf/cm	ASTM D642
	Elongation	7~12	%	ASTM D412
	Hardness	70±5	Shore A	ASTM D2240
Electrlcal	Voltage Breakdown	3.5	KV	ASTM D149
	Volume Resistivity	2.0×10^{13}	Ω·cm	ASTM D257
Thermal	Thermal Conductivity	0.3	W/m.k	ASTM D5470
Regulatory	Flammability Rating	V-0	----	UL94
	ROHS Compliant	Yes	----	Lab.Certification
	PFOA Compliant	Yes	----	Lab.Certification
	PFOS Compliant	Yes	----	Lab.Certification
	SVHC Compliant	Yes	----	Lab.Certification

- The above testing results come from laboratory report, information are for your reference only.

❖ Specification:
To-220,To-3P,To-3,To-220-BH.
Color: Gray.