



E-Song America, Inc.

100%
RoHS Compliant
Products

1901 S. Bascom Ave., Prune Yard Tower I, Suite 1225, Campbell, CA 95008
Email: sales@esongamerica.com Tel. (408) 466-5446 FAX (408) 879-9373

THERMAL INTERFACE ELECTRICAL INSULATOR: THEAI810ACF

■ Characteristic

THEAH sheets are hard type thermally conductive silicone rubber, recommended for power transistors or thermistors. High thickness accuracy. They provide good electrical insulation, thermal conductivity, and cushion. Flame Retardant UL94 V0. Available in tape rolls,

■ Application

- Thermally conductive electrical insulator for semiconductors
- Heaters, temperature fuses, temperature sensors, which thickness accuracy is important
- Cushion rubber for LCD.LC.FPC bonding (ACF bonding process)
- As heat resistant gaskets and packings
- Compression joining thermistors and thermal sensors

■ Technical data

	THEAI810ACF
Thickness (mm)	0.20 ^{±0.02} , 0.25 ^{±0.02} , 0.30 ~ 1.0 ^{±0.03}
Color	Gray
Thermal Conductivity (W/mk)	1.0
Reinforcement	N/A
Adhesive Tape (User Option)	Available
Specific Gravity (g/cm ³)	2.20
Hardness (Shore A)	75
Tensile Strength (MPa)	5
Continuous Usage Temp. (°C)	-60 to +180
Elongation (%)	120
Tear Strength (kgf/cm)	12
Volume Resistivity (ohm-meter)	5.0 x 10 ⁹⁻¹⁴
Dielectric Strength (kV)	13
Dielectric Constant	4.5

