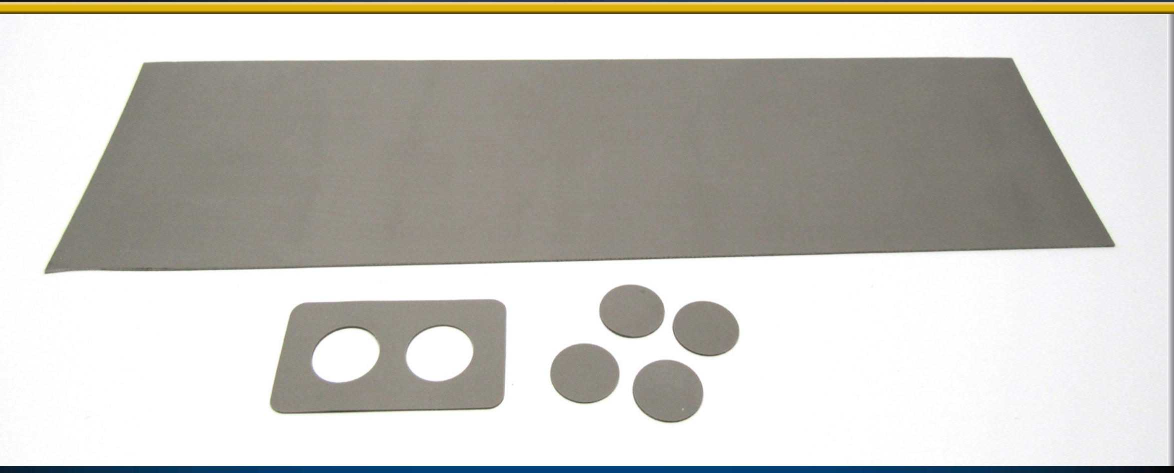
LT Product Profile

Thermally Conductive Electrical Insulators

LEADER TECH
a HEICO company
The Leading Edge in EMI Shielding Technology



Applications

- Power Supplies
- Connectors
- Power Semiconductors
- Audio/Video

Benefits

- Electrically insulating
- Low Cost
- Short lead time
- Custom shapes
- Increases product reliability
- Self tacking
- UL 94 V-0 Rated
- Tear resistant
- High dielectrical constant

Thermally Conductive Electrical Insulators

Thermally Conductive Electrically Insulating materials are excellent for use on power supplies and connectors that require heat transfer while needing to be insulated electrically from components or materials in a very close proximity to each other.

Thermal Properties				
	TEI10			Test Method
Thermal Conductivity, W/m·K	1			ASTM D5470
Thermal Resistance, °C·in²/W	1.52 max	2.35 max	3.45 max	
Physical Properties				
Color	Gray			Visual
Thickness, in (mm)	0.009 (0.23)	0.012 (0.3)	0.018 (0.45)	ASTM 2240
Density, lb/in³ (g/cm³)	.063 (1.75)			ASTM D792
Hardness, Shore C	50			ASTM D751
Tensile Strength, MPa	425			ASTM D412
Heat Capacity, (g-K)	1			ASTM C351
Operating Temperature, °F (°C)	-58 - 356 (-50 - 180)			-
Electrical Properties				
Volume Resistivity, Ω·cm	3.5×10^{11}			ASTM D257
Dielectric Breakdown Voltage, kV	3.5 min			ASTM D149
Dielectric Constant, MHz	5.5 min			ASTM D150
Regulatory				
Flammability Rating	94 VO			UL94
Shelf Life, months	24	24	24	-

TEI
THERMALLY CONDUCTIVE ELECTRICAL INSULATORS

A passion in all we do
www.LeaderTechInc.com

ISO 9001: 2008 CERTIFIED
RoHS COMPLIANT

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