



TEI - Thermally Conductive Electrical Insulators

Thermal Properties

	TEI10			Test Method
Thermal Conductivity, W/m·K	1			ASTM D5470
Thermal Resistance, °C·in ² /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/in ³ (g/cm ³)	.063 (1.75)			ASTM D792
Hardness, Shore A	50			ASTM D751
Tensile Strength, psi	425			ASTM D412
Heat Capacity, (g-K)	1			ASTM C351
Operating temperature, °F (°C)	-58 - 356 (-50 - 180)			

Thermal 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	ASTM D150

Regulatory Properties

Flammability Rating	94 VO			UL94
Shelf Life, months	24	24	24	—