

## Item # Tgard 20 /, Tgard™ 20 Series Insulator Material



### Tgard™ 20 Series Insulator Material

#### Low Cost, Medium Performance Insulator Material

The Tgard™ 20 is designed to solve over heating issues such as lower component efficiency, premature component failures, size limitations and other performance problems for today's computer power supplies. The Tgard™ 20 is a film-based product designed to resist cut through in screw mounting applications while providing a more consistent breakdown voltage over other insulator constructions. The phase change coating on the film core provides an excellent mating surface for low pressure clip mounting applications.

## SPECIFICATIONS

Thickness	0.003 inches 0.076 mm
Substrate Film Thickness	0.002 inches 0.051 mm
Tensile Strength	20k psi 138.0 MPa
Test Method - Tensile Strength	ASTM D412
Elongation	130.0 %
Test Method - Elongation	ASTM D412
Operating Temperature	-40 to 150 °C -40 to 302 °F
Color	White
UL Flammability Rating	UL 94 V0
Dielectric with Standard Voltage	4500 VAC
Test Method - Dielectric with Standard Voltage	ASTM D149
Dielectric Breakdown Voltage	>9000 VAC
Test Method - Dielectric Breakdown Voltage	ASTM D149
Volume Resistivity	>10 x 10 <sup>12</sup> ohm-cm
Test Method - Volume Resistivity	ASTM D257

Dielectric Constant at 1 MHz	1.80
Test Method - Dielectric Constant	ASTM D257
Roll Size	12" x 300' 304 mm x 91 m
Pressure Sensitive Adhesive	Single side adhesive