

## Typical characteristics of Selected PV Encapsulant Film

	POE-based Film	EVA-based Film
Volume Resistivity, ohm-cm@23 °C	$\geq 1.0 \times 10^{16}$	$\geq 1.0 \times 10^{14}$
Leakage current, picoamp @23 °C	19	3795
Water Vapor Transmission Rate (WVTR), g/m <sup>2</sup> -day @38 °C	3.3	34
Thermal Conductivity, W/m-K	.291	0.246
Optical transmission, %	>92%	93
Refractive index	1.475	1.455
Glass Transition Temperature (T <sub>g</sub> ), °C)	-45	-35
Dielectric Strength (kV/cm)	601	444