

# UVX-8048 Conformal Coating

## Characteristics

**Strong Insulator**  
**Chemical Resistant**  
**Moisture Resistant**

## Applications

**PCB Protection**  
**Automotive Busbar Insulation**

Property			UVX-8048
Cure Conditions	Viscosity [mPa・s(25°C)]		3,000-5,000
LED lamp (365nm) 500mW/cm2 5,000mJ/cm2 (UV-A)	(180° peel strength against polyimide [N/cm] <sup>1)</sup>		20
	Water absorption rate [%] <sup>2)</sup>		0.4
	Tg[°C] <sup>3)</sup>		33
	Storage Modulus [MPa] <sup>3)</sup>	-40°C	3,300
		25°C	54
		85°C	0.3
		120°C	0.2
	Elongation [%] <sup>4)</sup>		600
	Volume Resistivity [Ω・cm] <sup>5)</sup>		>1×10 <sup>16</sup>

1) Kapton 100H (polyimide: Toray DuPont) / adhesive layer (2mm) / Cosmoline A-4300 (PET: Toyobo)

2) Ratio of weight increase after immersing the cured material in distilled water or ion-exchanged water for 24 hours (23°C)

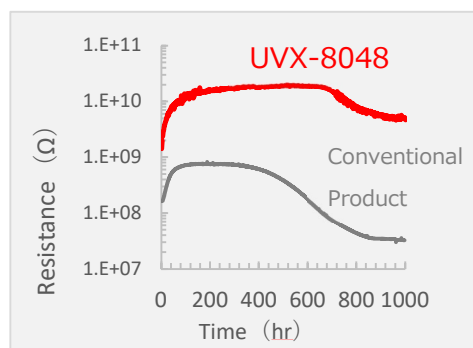
3) Measured by viscoelasticity spectrum (1Hz) in tensile mode of the cured material. The maximum temperature of tan δ was taken as Tg.

4) Measured by tensile test of the cured material. Tensile speed 300mm/min (23°C).5) Measured the volume resistivity of the cured material using the double ring method (applied voltage 500V, 25°C, 65%RH).

## Insulation Stability

85°C 85%RH Applied Voltage = 80V

L/S = 100/100



**TOAGOSEI AMERICA INC.**

1450 West Main Street  
West Jefferson, Ohio 43162  
Phone: 614-879-9411  
Email: [sales@toagosei.net](mailto:sales@toagosei.net)  
[www.toagoseiamerica.com](http://www.toagoseiamerica.com)

