

# Electrical Properties



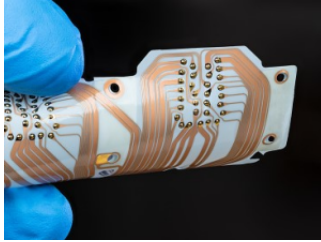
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## APPLICATIONS

## THEORY & MODELS

## CAPABILITIES

### Low Loss Dielectrics



### Electrical Properties of Polymers

$$\begin{aligned}\nabla \cdot \underline{E} &= \frac{\rho}{\epsilon_0} \\ \nabla \cdot \underline{B} &= 0 \\ \nabla \times \underline{E} &= -\frac{\partial \underline{B}}{\partial t} \\ \nabla \times \underline{B} &= \mu_0 \left( \underline{J} + \epsilon_0 \frac{\partial \underline{E}}{\partial t} \right)\end{aligned}$$

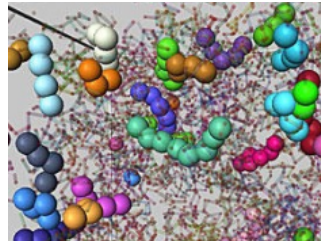
### Roadmap



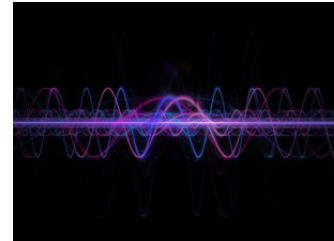
### Piezo-electricity



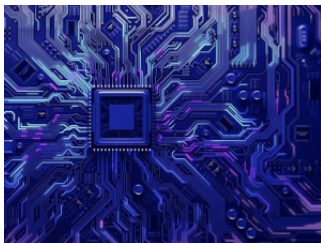
### Modeling Electrical Properties



### Electrical Tests



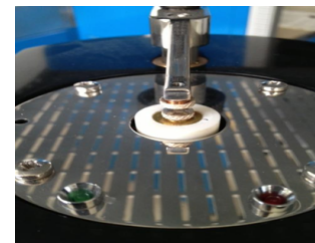
### Semicon Electronics



### Dielectric properties of films



### Electrical Testing Labs



### E-Mobility

