

# Electrical Properties



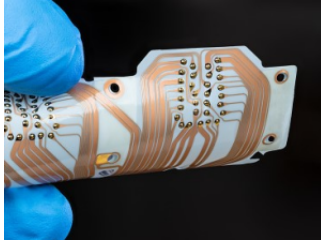
ADL Homepage

APPLICATIONS

THEORY & MODELS

CAPABILITIES

Low Loss Dielectrics



Electrical Properties of Polymers

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

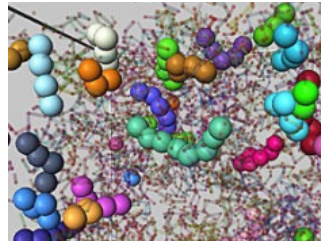
Roadmap



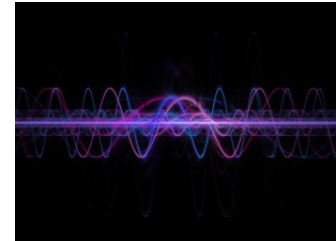
Piezo-electricity



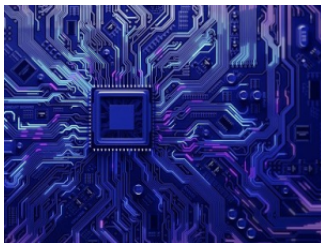
Modeling Electrical Properties



Electrical Tests



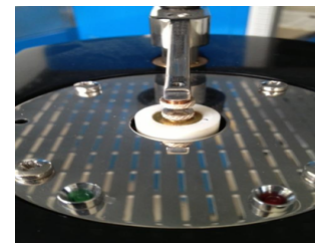
Semicon Electronics



Dielectric properties of films



Electrical Testing Labs



E-Mobility

