

# PCL Electrical and Dielectrical Lab

## Mission

In the PCL Dielectric and Electrical testing lab, we specialize in both destructive and non-destructive methods for determining various properties of aromatic specialty polymers and thermoplastic composites. Dielectric and electrical testing of polymers is a vital part of the product development and production process. Our capabilities span a wide spectrum, encompassing routine and standardized testing procedures as well as the evaluation of other properties via non-routine testing. Our primary focus is to provide support to the Specialty Polymer Research and Development (R&D) teams, Customer Technical Development (CTD) teams, as well as the manufacturing and quality control groups.

## Techniques

### Specialty Polymers

- [Electric & Dielectrical Lab: Dielectric Constant and Dissipation Factor \(Dk/Df\)](#)
- [Dielectric Strength or Break Down Voltage](#)
- [Surface & Volume Resistivity](#)
- [Comparative Tracking Index \(CTI\)](#)
- [EMI Shielding Effectiveness](#)

## Team

| Contact                                                                             |                                                        | Phone        | Office/Lab                 |
|-------------------------------------------------------------------------------------|--------------------------------------------------------|--------------|----------------------------|
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