

# Analytical Capabilities for Polymers, Fluoropolymers and Plastics

Our extensive and quality testing capabilities are built on a 40-year foundation of expertise in the field of polymer science. With the latest in analytical technology and experienced professionals, we are able to provide routine and specialized testing services for industrial and commercial markets that include:

## **In-House Sample Preparation Service:**

- Injection Molding
- Cryogenic Grinding
- Accelerated Solvent Extraction
- Melt Press
- Thermal & Humid Aging

## **Thermal:**

- Differential Scanning Calorimetry
- Modulated DSC
- Thermogravimetric Analysis
- Melt Flow Index
- Dynamic Mechanical Analysis

## **Chemical:**

- Fourier Transform Infrared
- Evolved Gas TGA/MS
- EDAX
- Light Transmission in UV/Vis
- GPC

## **Electrical:**

- Volume Surface Resistivity
- Dielectric Constant
- Dielectric Strength

## **Microscopy:**

- Hot Stage Light Microscopy
- Scanning Electron Microscope
- Videoscope

## **Mechanical:**

- Tensile
- Compression
- Flexural
- Hardness
- Coefficient of Friction

## **Materials Tested:**

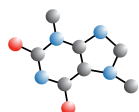
- Fluoropolymers
- Bioabsorbables
- Engineering Polymers
- Commodity Plastics
- Composites

## **Other:**

- Dilute Solution Viscosity
- Bubble Point
- Density

## **Specialized Consulting Services:**

- Polymer Characterization
- Application Specific: MIL-SPEC or ASTM
- Raw Material Inspection
- Failure & Defect Analysis
- Contaminant Identification
- Deformulation



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