

Testing Capabilities

Thermal

Differential Scanning Calorimetry
Thermal Gravimetric Analysis

Chemistry

FTIR/ATR/Reflectance/Micro
Electron Spin Resonance
Energy Dispersive Spectroscopy
Contact Angle/Surface Energy
GC/LC/HPLC/Mass Spec
Molecular Weight (GPC, Viscometry)
pH
NMR
ESCA, Auger, TOF-SIMS
Inductively Coupled Plasma/MS

Morphology

Scanning Electron Microscopy
Transmission Electron Microscopy
Density
Birefringence
Small Angle X-Ray
Wide Angle X-Ray

Mechanical

Dynamic Mechanical Analysis
Tension/Compression
J-Integral
Creep
Fatigue
Environmental Stress Cracking
Hardness
Small punch

Rheology/Tribology

Shear/Oscillatory/Creep
Extensional
Melt flow index
Coefficient of friction

Miscellaneous

Accelerated Aging
Manufacturing Residue Analysis
Oxygen content

These are some of the tests available at Cambridge Polymer Group. Please contact us for your specific testing needs.



ANALYZE • RESEARCH • CREATE

Cambridge Polymer Group, Inc. is a contract research laboratory specializing in materials. We partner with our clients to solve problems utilizing our multi-disciplinary research team and full service laboratory.

We work with clients throughout the product life cycle to:

- **Develop new materials**
- **Design prototypes for proof-of-concept studies**
- **Create and execute experimental design**
- **Validate and verify manufacturing processes**
- **Perform root-cause analysis in product failures**

Cambridge Polymer Group, Inc. was founded in 1996 to provide a cost-effective resource for testing, research and development to clients who need periodic access to Ph.D.-level scientists and their support structure. We have developed a host of testing methods and materials for our clients, which number more than 300.

