

# POLYMER TESTING

## What We Do

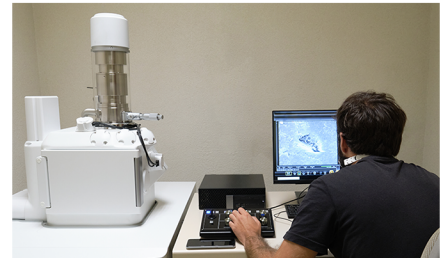
We offer a wide range of polymers and plastics testing methods in accordance with ASTM, ISO and other recognized test methods. We are accredited to perform a wide range of polymer testing. Consider QAI as an extension of your own research and development or quality assurance department. We perform analysis on many different types of polymers including thermoplastics, thermosets, adhesives, elastomers, rubbers, etc. Among our capabilities:

- Fourier Transform Infrared Spectroscopy (FT-IR)
- Attenuated Total Reflectance Accessories (ATR)
- Scanning Electron Microscope
- Energy Dispersive X-Ray Spectroscopy
- Thermomechanical Analysis (TMA)
- Differential Scanning Calorimetry (DSC)
- Thermogravimetric Analysis (TGA)
- Melt Flow Indexer (MFI)
- Filler Content and ID
- Viscosity
- Hardness Testing
- Real Time X-Ray
- Density
- Specific Gravity
- Tensile Testing
- Compression Testing
- Flex Modulus
- Rheology

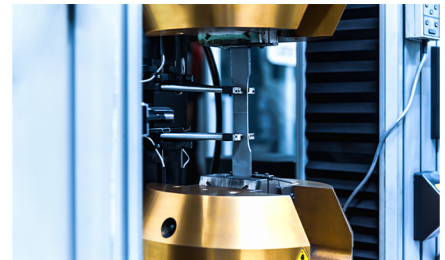
We also offer full formal failure analysis and full reverse engineering of plastics and non metals. To learn more, contact us via [info@qai.org](mailto:info@qai.org)

## About QAI

With over 30 years of experience, QAI is an ISO/IEC 17025 accredited independent third-party testing laboratory. Our state-of-the-art equipment and expert team serve companies of all sizes with material testing. As part of the QAI Laboratories Group, a globally recognized leader in testing, inspection, and certification, we provide services across various industries, including manufacturing, building products, electrical safety, EMC/EMI, and vehicle compliance, with locations in North America and Asia.



Scanning Electron Microscopy



Tensile Testing



Hardness Testing