

Independent Laboratory Testing Capabilities

ACE offers a wide array of industry accepted test methodologies including, but not limited to, ASTM, ISO, and JIS standards as well as customized offerings to suit specific customer needs.



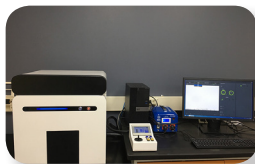
Physical Testing

- Tensile and Elongation
 - Dumbell
 - O-ring
- Compression Set
- DMA
- Tear
- Compression Stress Relaxation
- Durometer Hardness
- Hydrostatic Density
- Volume Change
- Rebound Resilience
- Abrasion
 - Taber
 - Drum
- Plasticity and Recovery
- Flex Fatigue
- Green Strength
- Compression Load Deflection
- Dimensional Analysis
- Temperature Retraction
- Brittleness Point
- Flame Testing
- Thermal Conductivity
- Volume Resistivity
- Surface Resistivity
- Adhesion and Tack
- DC Conductance or Resistance



Rheology

- Mooney Viscosity
- Mooney Scorch
- ODR
- MDR
- RPA
- Brookfield
- Fluid Rheometer



Analytical Testing

- DSC
- GC-MS
- Extractions
- pH
- Wet Chemistry
- TGA
- XRF
- SEM
- HPLC
- Particle Size Distribution
- ICP-MS
- FTIR

Raw Material Testing

- Ash Content
- Wet Sieve Analysis
- Carbon Black Testing
- Moisture Analysis



Processing

- Mixing
 - Sigma
 - Tilt
 - Banbury
- Vulcanization
 - HAV
 - Salt
 - Molding
- Sample Preparation
- Spider Mold Flow Analysis
- Garvey Die Extrudability Analysis
- Milling



Sample Conditioning

- Standard Laboratory Conditions
- Hot Air Oven Aging
- Fluid Aging
- Fuel Testing
- Environmental Cycling
- Ozone Exposure
- QUV

See back for additional capabilities



Rubber and Silicone Experts.

Lab Testing, Consulting, Seminars & Career Training

ACE is always adding capabilities based upon customer input and industry demands. Contact ACE directly for the most up to date list of capabilities and quoting: ACE_Sales@ACEProdCon.com

Additional Services

Research & Development Services

- Formulation Development
- Raw Material Evaluations
- Comparative Studies
- Root Cause Analysis
- Failure Mode Analysis
- New Product Developments

Consulting Services

- Process Engineering
- New Process Launches
- Raw Material Technical Services
- International Supplier Audits
- Market Analysis
- Merger & Acquisition Support

Industries Served

- Aerospace
- Automotive
- Construction
- Consumer Goods
- Energy
- Industrial Goods
- Tire
- Wire & Cable

ACE Core Values



Be Passionate



Do What You Say



Service the Customer Above all Else



Give Back



Deliver Happiness