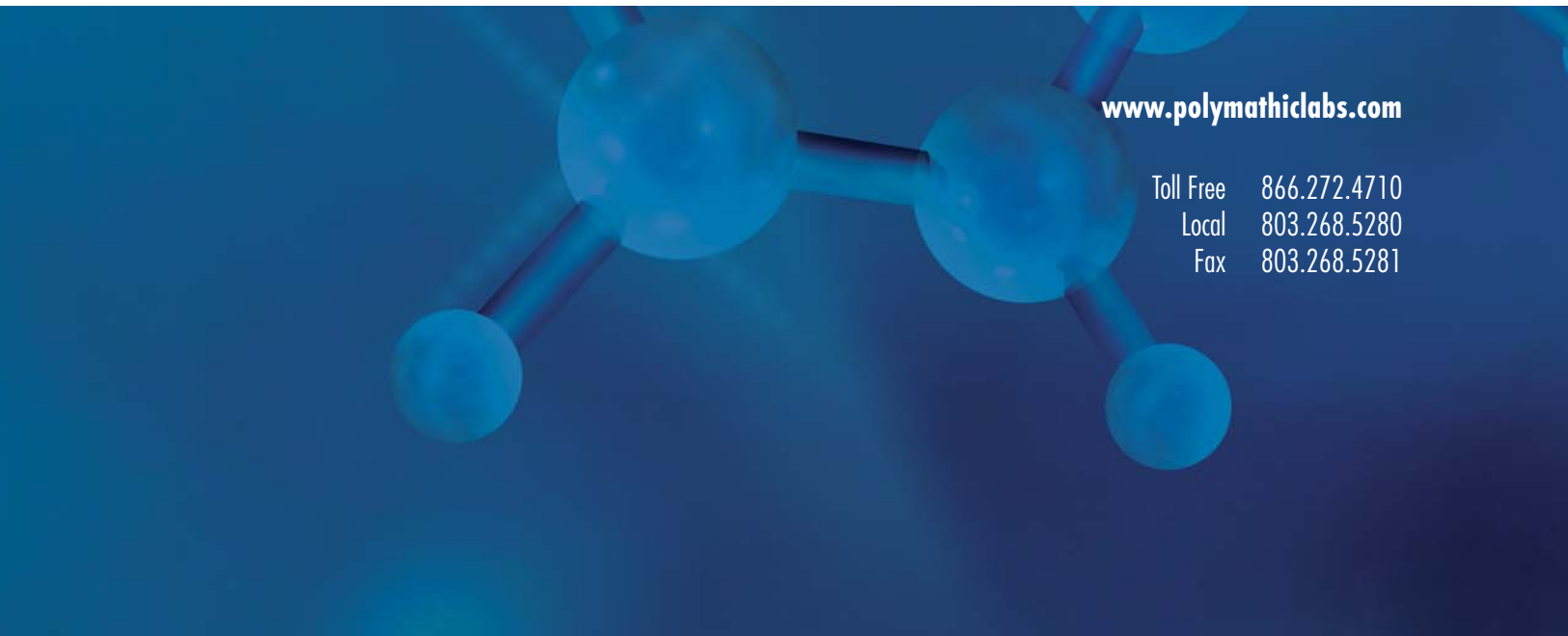




There are many contract labs, but none as experienced and knowledgeable of advanced materials than Polymathic Analytical Labs. We provide true value to customers on issues involving sophisticated plastics and their usage



www.polymathiclabs.com

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Local 803.268.5280
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ADVANCED ANALYTICAL TESTING
RESEARCH & DEVELOPMENT

Bench Strength



Bench Strength more power to you

There's probably a very good reason there are only 24 hours in a day, only seven days in a week.

If there weren't, you'd be working around the clock. Finding solutions to nagging problems. Identifying the best material for a demanding application. Conceptualizing the next innovation.

As it is, you still need to get these things done, whether you have the time to or not.

And you can, with the on-demand resources of Polymathic Analytical Labs, a contract analytical testing and research and development laboratory staffed by engineers, PhD researchers and technicians. We give you intellectual bench strength when you need it most, providing powerful analytical support on quick turn projects as well as collaborative assistance on more complex development initiatives.

CAPABILITIES AND SERVICES

At Polymathic Analytical Labs, we've spent more than forty years in the trenches, developing sophisticated, custom fluoropolymer materials, components and production processes used by global biotech and industrial companies. We're also expert at troubleshooting issues with materials and manufacturing to maximize the success of our customers. In so doing, we have

amassed the people, the processes, and the technology for these analytical capabilities:

- Chemical
- Electrical
- Mechanical
- Microscopy
- Sample prep
- Thermal

We offer these services:

- Failure and defect analysis
 - Root cause
 - Design modifications
 - Surface contamination analysis
 - Corrosion analysis
 - Production problems
 - Plating/adhesive bonding analysis
- Formulation/deformation
- Contaminant identification
- Method development
- Machine shop fabrication
- Material selection consulting
- Process monitoring
- Raw material inspection
- Contract research and development

complete
TEST RESULTS **total**
rapid CONFIDENTIALITY
RESPONSE

EQUIPPED FOR RESULTS

Polymathic Analytical Labs has made a significant investment in technology that we, in turn, leverage on behalf of our clients. Here is a sampling:

- Environmental scanning electron microscope
- EDAX elemental analysis
- Gas pycnometer
- Porometer
- Gel permeation chromatography
- Infrared spectrometer
- Melt flow
- Differential scanning calorimeter (DSC)
- Durometer
- Thermogravimetric analyzer (TGA)
- TGA/Mass spectrometer
- Dynamic mechanical analyzer
- Tensile testing system
- UV/Vis Spectrophotometer
- Light microscopes
- Cryogenic mill
- Accelerated solvent extractor
- Volume and surface resistivity

STANDARDS

Polymathic Analytical Labs creates and maintains customer project management files in an electronic database with appropriate backup and safeguards. Complete confidentiality is assured. Testing follows ASTM, ISO, MIL-SPEC, and USP standard methods where applicable.

MATERIALS TESTED

No one understands the chemistry, characteristics, strengths, and limitations of advanced materials like Polymathic Analytical Labs. We offer advanced analysis on the following:

- Bioabsorbables
- Fluoropolymers/Teflon
- Nylons
- PEEK/PAEK
- Polyamides
- Polyetherimide
- Polyester
- Polyethylene
- Self-reinforced polyphenylene

TEAMS WITH THE BEST BENCH WIN

Polymathic Analytical Labs is available to support and advance your business with on-demand analysis and testing services as well as more complex research and development engagements. To learn more, visit our website www.polymathiclabs.com. Better yet, give us a call at **866. 272.4710**.



ACCREDITATIONS

Polymathic Analytical Labs has achieved the highest standards of professional excellence, including ISO 17025:2005 accreditation through A2LA. Other memberships and accreditations include AAMI, ASQ, ASTM, and SPI.