

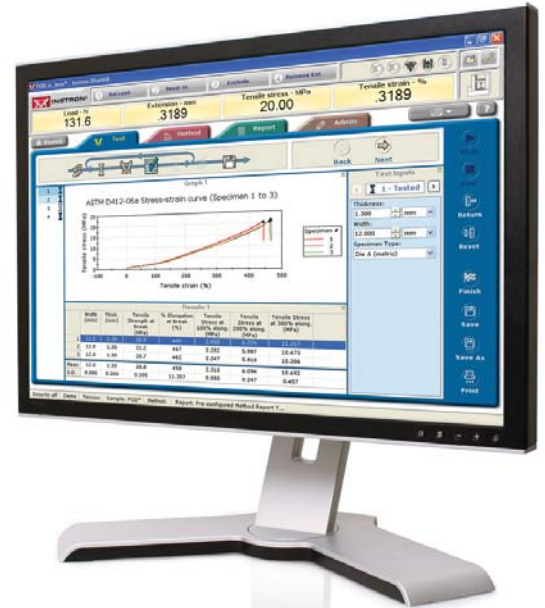
Bluehill® 3 Testing Software | Elastomers Application Module

The Bluehill 3 Elastomers Application Module provides a comprehensive platform for measurement, test control, and report creation for testing a wide variety of elastomer materials and components. The Elastomers Application Module includes a collection of pre-configured test methods and supporting documentation that cover a variety of internationally recognized industry standards. These methods and supporting documentation allow for immediate testing after installation and basic training.

Pre-configured Test Methods

- ASTM D412 Standard Test Method for Vulcanized Rubber and Thermoplastic Elastomers (Test Methods A and B)
- ASTM D413 Standard Test Method for Rubber Property: Adhesion to Flexible Substrate (Machine Method)
- ASTM D429 Standard Test Method for Rubber Property: Adhesion to Rigid Substrates (Test Methods A and B)
- ASTM D575* Standard Test Method for Rubber Properties in Compression (Test Methods A and B)
- ASTM D624 Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers
- ASTM D1414 Standard Test Method for Rubber O-Rings
- ISO 37 Rubber, Vulcanized or Thermoplastic — Determination of Tensile Stress-strain Properties
- ISO 34-1 Rubber, Vulcanized or Thermoplastic — Determination of Tear Strength — Part 1: Trouser, Angle and Crescent Test Pieces
- ISO 813 Rubber, Vulcanized or Thermoplastic — Determination of Adhesion to a Rigid Substrate — 90° Peel Method

* ASTM D575 requires TestProfiler



Long-travel extensometer used for rubber tensile elongation test to ASTM D412 and ISO 37



Elastomeric o-ring test to ASTM D1414

Visit **Testing Solutions** on www.instron.com for in-depth application reports and detailed testing system recommendations that meet the requirements of each standard.

Bluehill 3 Software Highlights

Have Flexibility

- Select from tension, compression, flexural, peel, tear, friction, stress relaxation, and creep test types
- Create **customized measurements** for graphing, calculations, and live displays
- Get results from a complete **calculations library** that includes customizable user calculations
- Create **customizable expressions** for calculating test control rates, user calculations, calculation domains and measurements
- Automate processes with Advanced Programming Interface (API)
- Plug-in advanced test control and data analysis options when necessary

Be Efficient

- Use choice inputs to automatically link individual specimens with multiple required input values, such as dimensions and test rate
- Get instant feedback with pass/fail results and **real-time calculations** in live displays
- **Audio alerts** remind you of test events, such as end of test or extensometer removal
- Customize up to 4 soft keys for frequently used functions
- Utilize an Automatic Specimen Measuring Device (ASMD) to transfer specimen measurements directly into the software
- Automatically generate and distribute reports when test is complete
- Navigation assistance for method development is available

Increase Accuracy

- Use **prompted test methods** (with or without audio, pictures, or video) to guide users through all test procedures
- Link specific transducers with test methods to ensure correct devices are used
- Use transducer verification due dates to remind users of upcoming required service
- Enable **three-levels of security** with user name, passwords, and individual permissions
- Electronic help and reference guide includes step-by-step procedures for commonly performed actions
- State-of-the-art user-assisted text and hyperlinks provide immediate help on every screen in the software
- **Calculation animations** demonstrate calculation inputs and functionality

Look Professional

- Generate customized **report templates** that include multiple graphs, report tables, photos, logo, test date, time stamp, and more
- **Export reports** via save, email or print, and in choice of format: Word, PDF or HTML
- Copy and paste graph or results directly from test user interface for immediate results into other Microsoft products for quick presentations and sharing of results
- Customize the test user interface for layout of graphs, results, live displays, test inputs, raw data viewing, and optional TestCam

Computer Requirements

- Dell®, HP, IBM® & Gateway® brand PCs or laptops are recommended
- Intel® Pentium® (Dual Core or Single Core) Processor with 2 GHz or faster clock speed
- 1 GB RAM
- Windows® XP (Service Pack 3)
- Microsoft® Internet Explorer 7 or later
- DVD Drive
- Hard drive with 1 GB free space
- 1 unused serial port (ASMD only)
- 1 Ethernet Port (2 Ethernet Ports if network accessibility is required)
- Minimum display resolution: 1024 × 768

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