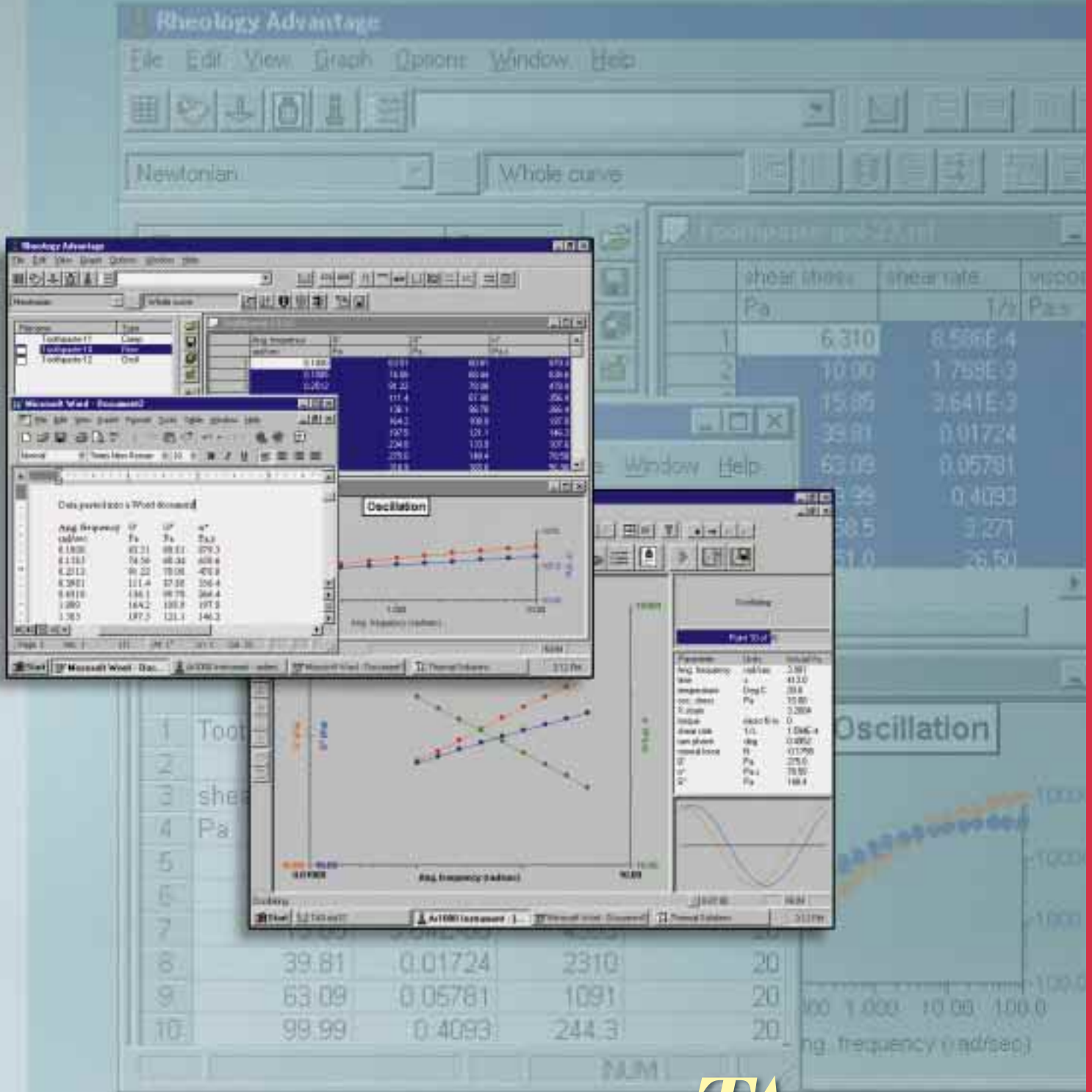


ADVANTAGE

software for Rheology™

Tomorrow's Solutions for Today's
Material Characterization Problems



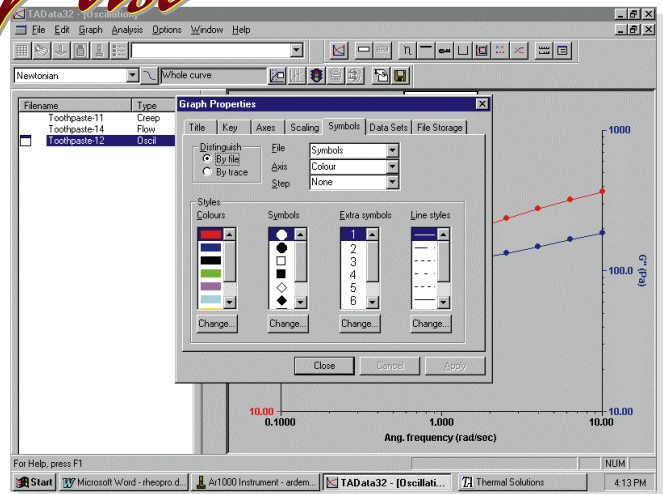
TA Instruments
Thermal Analysis & Rheology

A SUBSIDIARY OF WATERS CORPORATION

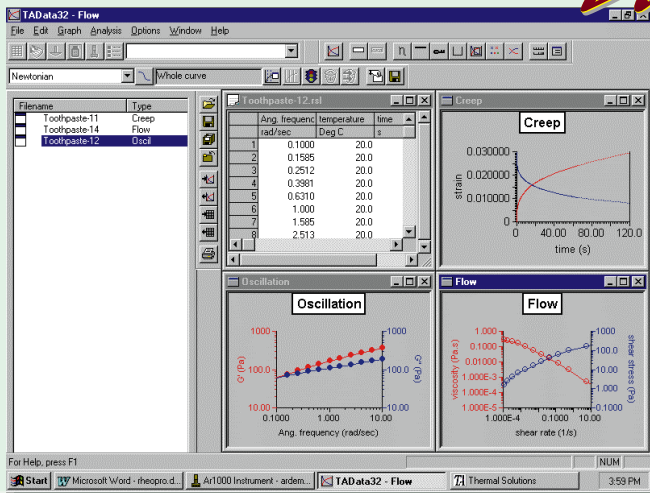
New, Rheology Advantage™ Software . . .

Unmatched Ease-of-Use

- Graphical user interface with multi-threaded industry standard MDI interface
- Extensive on-line and context sensitive help
- Wizards for commonly performed tasks
- Easy-to-learn, intuitive layout with customizable dockable toolbars
- Compatible with Rheology Solutions data files
- Long file names for easier identification of data
- Save session allows quick recovery of geometry, procedure, notes, and instrument settings
- Fully compatible with Rheology Navigator 2 and 2 Plus for automated control & analysis



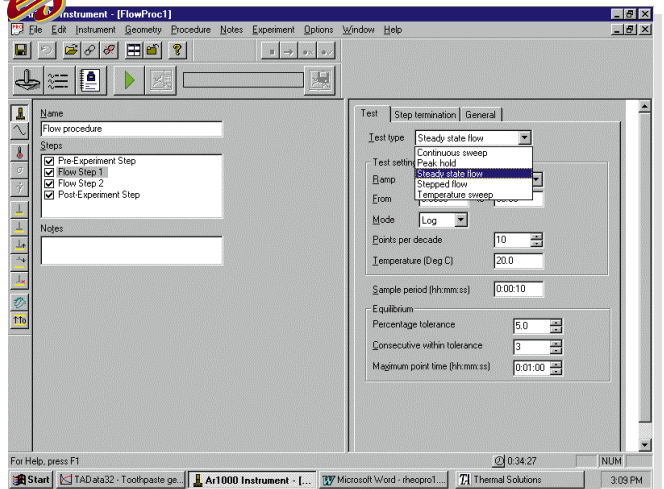
Data Analysis



- Multiple graphs and tables of different file types
- Unlimited number of files of different types can be loaded at one time
- Wide selection of the latest theoretical models
- Dynamic link between plot and spreadsheet views
- Customization of graph [font, colors, symbols, line style, annotation]
- Fully flexible legend and labels
- Save and recall of session for high efficiency and productivity
- User defined column reduces dependency on third party applications
- Complete compatibility with data from earlier software versions enables the user to easily access historical data
- See the back cover for a complete list of analysis capabilities

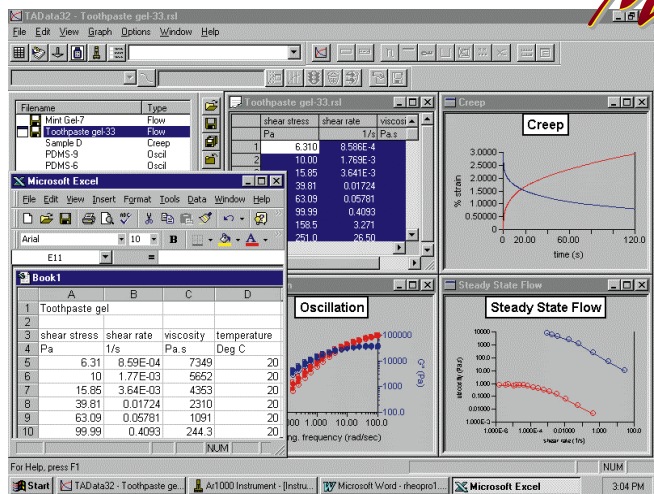
Advanced Procedures

- Unlimited steps
- Pre and Post-experiment steps
- Addition, modification, or deletion of steps during run
- Step termination on variable equilibration or exceeding limits
- Flow [stress ramp, step stress, steady state, temperature ramp], creep, oscillation [stress, amplitude, temperature, frequency, time ramp], parallel superposition, multi-wave
- Torsional flow correction for absolute viscosity measurements with parallel plates
- Measurements under constant compression or tension [requires AR1000N]
- User-defined variables which allow inclusion of other pertinent data [i.e. pH, mw, g/l] together with the experimental data



Versatility for generating and analyzing results

Multi-Tasking



- Conduct new experiments while analyzing data from previous experiments
- Generate reports in other Windows applications while collecting or analyzing data
- Simultaneous operation with TA Instruments thermal analysis modules running Advantage software for Thermal Analysis

Tomorrow's Solutions for Today's Material Characterization Problems

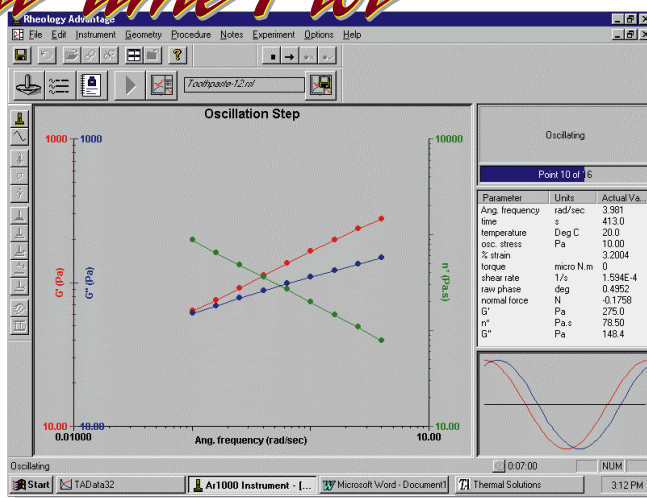
Advantage software for Rheology™ provides unmatched capabilities, customizable to your individual needs and preferences.

Together with TA Instruments broad line of high performance modules, and unique capabilities, Rheology Advantage provides the most versatile system available.

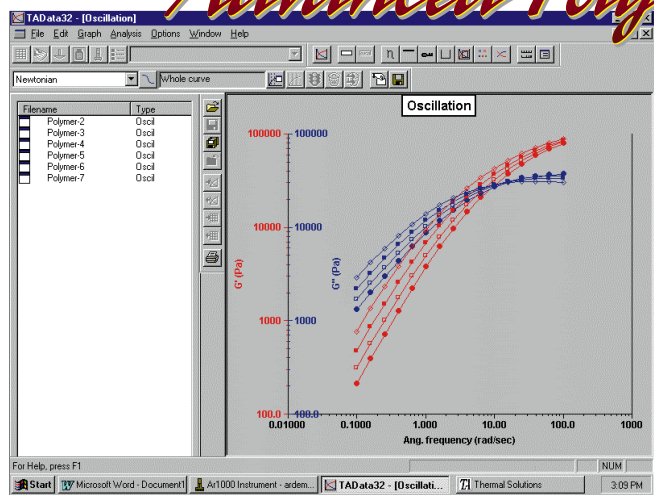
The Microsoft® Windows operating system, state-of-the-art hardware and software featuring truly innovative techniques, and the service/support that only TA Instruments can provide, are all combined to form a system that really does meet and exceed the challenges of today's modern laboratory.

Versatile Real-Time Plot

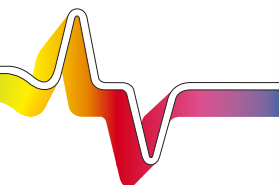
- Plot properties and variables can be altered while run is in progress
- Data being collected can be compared with previously saved data
- Waveforms in oscillation experiments can be viewed and saved to insure data is free of noise and artifacts
- Strain curves in steady state flow experiments can be viewed and saved



Advanced Polymer Analysis



- Integrated Time Temperature Superposition for all viscoelastic data [dynamic & creep]
- Relaxation spectra
- Interconversion of viscoelastic data
- Cox Merz, Cole-Cole, Black diagrams
- Import of DMA/DEA data



Data Analysis Capabilities

Available analysis capabilities include:

- flow analysis - 16 models including Newtonian, Power Law, Cross, and Arrhenius
- creep analysis - Voigt model, recoverable and steady state compliance
- oscillation analysis - cross over points, Oldroyd, Spriggs, power law, and relaxation spectrum
- general analysis tools - area under curve, first derivative, turning points, polynomial, and straight line
- molecular weight determination
- time temperature superposition for all modes including WLF and Arrhenius analysis
- activation energy
- yield stress
- advanced analysis with input and locking of curve parameters
- queuing of analyses
- database and statistical functions
- QC test - test for greater or less than standard, % of standard or between two standards
- merge files

TA Instruments Commitment

Advantage software for Rheology is designed and engineered to assure easy, reliable trouble-free operation. It is supported by a full range of services including onsite training, a telephone Hotline for customer consultation, and an Internet website. All of these items reflect TA Instruments commitment to providing thermal analysis & rheology products and related services that deliver maximum value for your investment.

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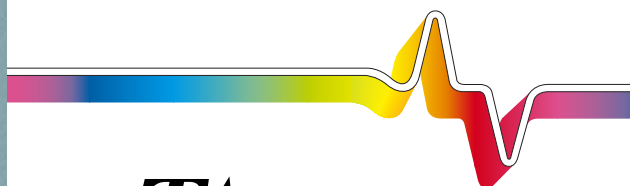
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