

MEASUREMENT RESULTS AND REPORTS

THERMAL ANALYSIS

Dimensional and mass changes, phase transitions and enthalpies as a function of temperature

THERMOPHYSICAL PROPERTIES

Thermal conductivity and thermal diffusivity, specific heat capacity and thermal expansion coefficient

ACCELERATING RATE CALORIMETRY

Degradation and reaction processes with regard to temperature, heat release and pressure

RHEOLOGY

Rheological properties of non-Newtonian liquids and soft solids – from formulation to product use



Visit our website to see the detailed overview of methods and services.

CONTACT

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CONTRACT TESTING

COMPREHENSIVE. COMPETENT. PRECISE.

ANALYSIS METHODS FOR YOUR MATERIAL

- Accelerating Rate Calorimetry (ARC/MMC)
- Dielectric Analysis (DEA)
- Dilatometry (DIL)
- Differential Scanning Calorimetry (DSC)
- Dynamic Mechanical Analysis (DMA)
- Evolved Gas Analysis (EGA)
- Kinetics (model-free & model-based)
- Laser/Light Flash Methods (LFA)
- Rotational and Capillary Rheometry
- Seebeck Coefficient (SBA)
- Simultaneous Thermal Analysis (STA)
- Thermomechanical Analysis (TMA)
- Thermogravimetry (TGA)
- Heat Flow Meter (HFM) and Guarded Hot Plate (GHP)

SERVICES

- Consulting
- Selection of analysis method
- Sample preparation
- Testing services
- Test reports
- Further interpretations

EXPERTISE

- Highly qualified scientists (physics, chemistry and materials science)
- Expert knowledge accumulated over decades
- Highest accuracy
- Absolute confidentiality

MATERIALS AND TEMPERATURE RANGE

- Different sample shapes and geometries (e.g., solids, powders, liquids)
- Temperature range from -170°C to 2800°C – depending on the analysis method
- Almost all fields:
Chemical, automotive, electronics, aerospace, thermoelectrics, glass and ceramics, building materials, metals/metal alloys, polymers, pharmaceuticals, cosmetics, food and many more

