

## **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  $-170^{\circ}\text{C}$  to  $2800^{\circ}\text{C}$  – 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

