



Comprehensive Characterization of Polymers

THERMAL TRANSITIONS AND CHEMICAL STRUCTURE ANALYSIS

KEY WORDS

THERMAL
TRANSITION
ANALYSIS,

THERMAL STABILITY,

CHEMICAL
STRUCTURE
ANALYSIS

DESCRIPTION

Plastinnov offers material composition characterization services, combining chromatography, differential scanning calorimetry (DSC), thermogravimetric analysis (TGA), Fourier transform infrared spectroscopy (FTIR), and Raman spectroscopy. These complementary techniques allow for the identification of chemical structure, additives, and degradation products, as well as the evaluation of thermal transitions, thermal stability, and thermomechanical behavior.

AVAILABLE TECHNIQUES AND/OR EQUIPMENT

- Chromatography
- Differential scanning calorimetry (DSC)
- Thermogravimetric analysis (TGA)
- Fourier transform infrared spectroscopy (FTIR)
- Raman Spectroscopy

APPLICATIONS

- Analysis of material behavior
- Quality control
- Polymer development

CONTACT US

frederic.fradet@univ-lorraine.fr

[Université de Lorraine](http://univ-lorraine.fr)