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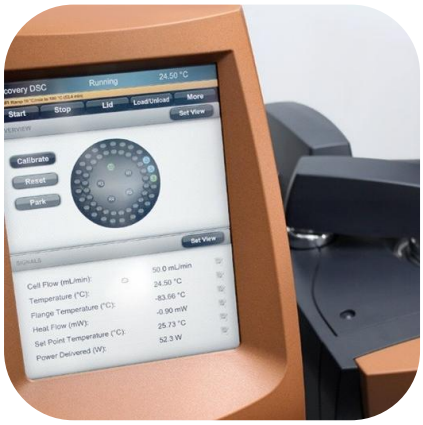

Differential Scanning Calorimetry

THERMAL ANALYSIS OF POLYMERIC MATERIALS

KEY WORDS

CALORIMETRY,
THERMAL ANALYSIS,
PHASE TRANSITIONS

DESCRIPTION

Quantitative determination of relevant phase transitions (glass, melting and crystallization temperatures, phase change enthalpies, heat capacity), oxidative induction time and other thermal properties of solid, liquid and semisolid materials between -120°C and 500°C.

AVAILABLE TECHNIQUES AND/OR EQUIPMENT

Calorimeter, temperature range: -90 to 450°C, standard and modulated mode
Calorimeter, temperature range: -120 to 500°C, standard mode

APPLICATIONS

Polymer, pharmaceutical, paints, adhesives and recycled materials
Identification of unknown materials and impurities
Quality control and failure analysis

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