



Mechanical Characterization

THERMOMECHANICAL BEHAVIOR AND PERFORMANCE EVALUATION

KEY WORDS

TENSILE TEST,
DYNAMIC
MECHANICS

DESCRIPTION

Métro'NRJ offers services for determining mechanical properties, with a particular focus on thermomechanical behavior. Using tensile testing, tensile testing under controlled temperatures, and dynamic mechanical analysis (DMA), the material's response to mechanical loading and temperature variation is evaluated.

AVAILABLE TECHNIQUES AND/OR EQUIPMENT

- Techniques: Tensile testing, dynamic mechanical analysis (DMA)
- Equipment: Bose 3000 (3 kN), Metravib DMA, Kammrath & Weiss (5 kN)

APPLICATIONS

- Materials qualification
- Quality control
- Product and component validation
- Development of polymeric materials

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