



Thermo- mechanical Characterization of Polymers

EVALUATION OF STRENGTH, FATIGUE AND
STIFFNESS

KEY WORDS

TENSILE TEST,
MECHANICAL
PROPERTIES,
POLYMERS

DESCRIPTION

Metro'NRJ (Metrology, Mechanics and Energy Platform) has the capacity to perform comprehensive thermo-mechanical testing to evaluate strength, stiffness, and hardness under controlled conditions. These tests enable the characterization of material behavior based on formulation, processing conditions, and origin.

The equipment available includes tensile testing systems for mechanical characterization, as well as dynamic mechanical analysis for evaluating viscoelastic properties as a function of temperature and frequency.

APPLICATIONS

Virgin polymers

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