



Mechanical Properties of Polymers

TENSILE, FLEXURAL, AND IMPACT TESTS TO EVALUATE STRENGTH AND STIFFNESS

KEY WORDS

QUALITY,
MECHANICAL PROPERTIES,
MECHANICAL STRENGTH

DESCRIPTION

Comprehensive evaluation of the mechanical properties of polymers using standardized tensile, flexural, compressive, and impact tests. This service allows for the determination of key properties such as mechanical strength, elastic modulus, deformation, toughness, and stress behavior, providing essential information for design, material selection, quality control, and performance analysis in industrial and research applications.

AVAILABLE TECHNIQUES AND/OR EQUIPMENT

- Instron Universal Analyzer

APPLICATIONS

- Evaluation of mechanical properties of plastics
- Quality control

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