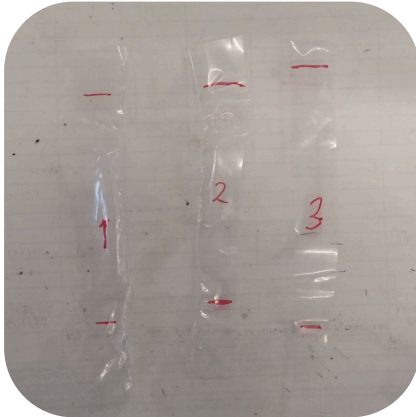


Mechanical Properties of Plastic Films

TENSILE TESTING OF FILMS AND THIN SHEETS



KEY WORDS

TENSION,
PLASTIC FILMS,
ASTM D882

DESCRIPTION

The tensile properties of thin plastic films and sheets are evaluated. This test is vital for the packaging industry, as it determines the force required to stretch and break a film. Properties such as tensile strength, elongation, and elastic modulus are critical for predicting the material's performance during processing and end use, for example, in packaging machines or as a protective barrier.

AVAILABLE TECHNIQUES AND/OR EQUIPMENT

- Determination of mechanical properties of plastic films according to ASTM D882 standard

APPLICATIONS

- Films for flexible packaging
- Plastic bags and sacks
- Geomembranes and liners
- Adhesive tapes
- Agricultural films

CONTACT US

labiq_fiqbog@unal.edu.co

Universidad Nacional de Colombia