



Determination of Water Absorption

DETERMINATION OF WATER ABSORPTION IN PLASTICS

KEY WORDS

WATER ABSORPTION,
HUMIDITY,
DIMENSIONAL
STABILITY

DESCRIPTION

The amount of water absorbed by a polymeric material under specific immersion conditions is determined. This test is fundamental for evaluating the dimensional stability and retention of mechanical and electrical properties of plastics when exposed to humid environments or immersion in water. The result is crucial for material selection in construction, automotive, piping, and any component that must operate in high-humidity conditions.

AVAILABLE TECHNIQUES AND/OR EQUIPMENT

- Determination of absorption of water according to norm NTC 1772 (Norma Técnica Colombiana)

APPLICATIONS

- Pipes and fittings
- Building materials (insulation, profiles)
- Automotive components
- Electronic equipment casings
- Packaging and packing materials
- Materials for outdoor and marine use

CONTACT US

labiq_fiqbog@unal.edu.co

[Universidad Nacional de
Colombia](http://www.unal.edu.co)