



## Hydrocarbon resistance (FO)

### Objective

This test assesses the resistance of the sole material to the action of liquids by measuring material properties before and after immersion in a petroleum derivative.

### Principle

The test consists in immersing a test specimen in an iso-octane solution, then measuring its volume, shrinkage and hardness before and after immersion.

Type: [Physical and mechanical test](#)

Standards: [EN ISO 20344 §8.8](#) / [EN ISO 20345 §6.4.2](#)

Product: [Footwear](#)

Criteria: [Mechanical risk](#) / [PEE](#)

Component: [Outsole](#)

*Last modified on 2025-05-21*