



## Resistance to tensile strength and elongation

### Objective

This method is used to evaluate the breaking strength and elongation of the sole material. This can give an indication as to the overall quality of the material.

### Principle

The test consists of subjecting a dumbbell- shaped specimen to tensile force to breaking point. The test is performed on a dynamometer.

The result corresponds to the tensile breaking strength expressed in  $N/mm^2$ \*, and to the breaking elongation expressed as a percentage.

\* Newton per  $mm^2$ .

Type: [Physical and mechanical test](#)

Standard: [EN 12803 - ISO 22654](#)

Product: [Footwear](#)

Criteria: [Mechanical resistance](#)

Component: [Outsole](#)



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