

# Breathability

## Product. Test. Label.

Textiles can do a lot - we are testing whether they can also breathe in Hohenstein with the world's first skin model. Moisture gives way from the inside to the outside. Unpleasant wearing comfort due to damp textiles is prevented - and that's a good thing! Less moisture, more comfort, more performance. Confirmed by our label.

### This test is particularly suitable for

- Textiles for workaday and sport
- Textiles for workwear and protective equipment
- Coated or laminated textiles
- Materials for bedding
- Mattresses and mattress covers
- Automobile seats



### Description

The measurement is carried out using the Hohenstein Skin Model according to DIN EN ISO 11092. The material specific water vapour resistance of the sample is measured on the surface material. The breathability of different materials can be evaluated both absolutely and comparatively and can be rated as 'very good', 'good' and 'unsatisfactory'. Among other things, the measured values can be used to classify textiles for personal protective equipment (PPE) according to various standards.

## Customer benefit

- Objective measurement and quantification
- Classification of personal protective equipment according to normative specifications
- Product optimization during development
- Consumer safety through tests by a neutral institute

## Marketing Instruments – Labels and Certificates

Passing the product specific requirement (vote  $\leq$  'good') the product may be awarded the Hohenstein Quality Label 'Breathable'.

## Test sample requirements

### General

- The measurement is performed according customer specifications either in new condition and/or after washing/cleaning.

### Quantity of material

- Approx 1 m<sup>2</sup> surface material, minimum width 35 cm

### Duration of the test

- Depending on the quantity and nature of the material;  
Approx. 10 working days