

Performance Index

Product. Test. Label.

Whether comfort properties, haptic impression or manufactured with sustainability in mind - modern textiles offer a wide range of functions and properties and must also meet product responsibility requirements. The product performance of clothing, especially sports and outdoor textiles, can be determined with Hohenstein Performance Index - HPI for short - and classified according to the application.

These tests are particularly suitable for

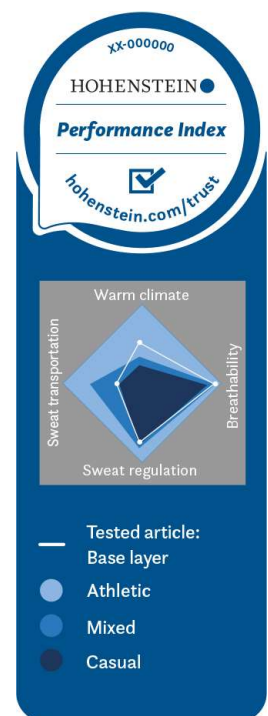
- Textiles from the areas of everyday, sports and outdoor clothing
- Functional underwear / functional clothing (Base layer)
- Middle layer (Mid layer)
- Outer layer (Outer Shell Layer)

Description

The product performance of clothing can be tested and classified using the test methods of the DIN CEN/TR 16422 standard. The underlying tests are ideally suited to characterize the thermoregulatory properties of clothing layers depending on the application (outdoor/indoor, warm/cold climate).

The following parameters can be part of the Performance Index:

- Thermal insulation
- Breathability
- Sweat management
- Air permeability
- Water repellency/water transmission resistance



Flexible extension options

The Hohenstein Quality Label "Performance Index" (HPI) can be flexibly extended by the test points listed below according to your requirements. The results are included in the network diagram (see exemplary label):

- Cooling capacity by means of WATson according to DIN Spec 60015
- Biodegradation and microfiber abrasion during laundry care according to DIN Spec 4872

Customer benefit

- Objective measurement on quantification of product performance
- Highlighting of higher-quality articles
- Argumentation aids for purchase advice
- Simple product comparison
- Consumer safety through neutral and objective confirmation

Marketing Instruments – Labels and Certificates

If the requirements according to DIN CEN/TR 16422 are passed, the Hohenstein quality label "Performance Index" can be used.

Test sample requirements

General information:

- The measurements are performed according to normative requirements in new condition

Quantity of material:

- Approx. 2m² surface material

Duration of the test:

- Depending on the quantity, approx. 12-15 working days