

Compression Testing

Sports Textiles

DIN SPEC 4868

Measurement and confirmation of the manufacturer's information about the compression and pressure profile according to DIN SPEC 4868

The test is suitable for

- Sports socks and (arm)sleeves
- Sportswear (trousers and shirts)
- Shapewear

Description

The compression and pressure profile of compression textiles in the non-medical sector are measured using the HOSYcan test device according to DIN SPEC 4868. In order to examine the compression of an article, it is clamped into the HOSYcan device and stretched to its given dimensions for girth. Compression and the compressive behaviour are calculated along the entire length of the test sample based on the force values measured when it is stretched to body circumference. The pressure values can be assigned to compression categories. Thus it is possible to compare different samples and evaluate them objectively.



The benefits for you as a customer

- Independent confirmation of the manufacturer's claims/advertising claims about compression
- Objective comparison of different products
- Guaranteed quality standard
- Optional: Hohenstein Quality Label provides product information for the customer

We need

- In general one sample per article and size
- A size table with body measurements (length and circumference)

Hohenstein Quality Label

- Initial testing: compression test for samples in all available sizes
- Subsequent testing: once per year after initial testing; compression test in one resp. two sizes (depending on the number of sizes offered)

Additional tests

In addition to the pressure values at the body circumference we can determine the following product characteristics:

- Stiffness
- Material fatigue
- Wear-out effect

