

Compression Testing

Non-medical compression textiles

Purpose

To measure and confirm the manufacturer's information about the compression and pressure profile.

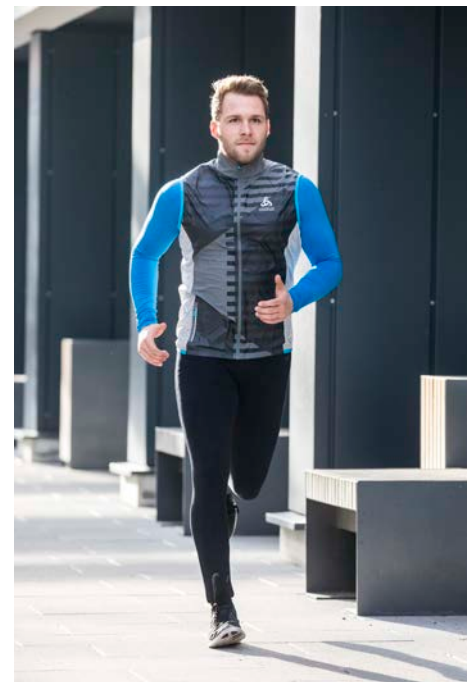
The test is suitable for

- Sports socks and sleeves
- Sportswear (trousers and shirts)
- Travel socks
- 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 58133.

In order to ascertain compression of an item, it is clamped into the HOSYcan device and stretched to its given dimensions for girth. Compression and the course of compression are calculated along the entire length of the test sample based on the force values measured when it is stretched to body circumference.



The benefit to you the customer:

- Independent confirmation of the manufacturer's claims/advertising claims about compression
- Guaranteed quality standard
- Reduction in risk because production of incorrectly made articles is avoided
- Hohenstein quality label provides the customer with product information

Scope of testing for each article

- Initial testing: compression is measured for samples in all available sizes
 - Compression values:
 - Hosiery/ armsleeves $\geq 0,50$ kPa
 - Garments (shirts/trousers) $\geq 0,25$ kPa
- Subsequent testing: 1 x each year after initial testing. compression is measured in one size (a different size each year)



Requirements for test samples

General

- A size table with body measurements (length and circumference) is required.

Amount of material

- In general 2 samples per article and size

Duration of testing

- Depending on the type and scope of testing, about 2-4 weeks