

Compression Testing

Medical Compression Textiles

Objective

Testing the conformity of medical compression textiles with the corresponding standards



The test is particularly well-suited for

- Medical compression hosiery for legs or arms
- Ulcus cruris hosiery systems
- Medical supports
- Anti-embolism stockings
- Textiles for the compression therapy of scars
- Further medical compression textiles

Description

The compression as a key product characteristic is tested using the HOSY testing device according to RAL-GZ-387/1 and /2 resp. the appendix for stocking systems for Ulcus cruris patients.

In order to ascertain compression of an item, it is clamped into the HOSY 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.

In addition, other product characteristics, such as e.g. the yarn count and elastic extensibility can be tested as well.

Advantages for you as the customer

- Product optimization during development
- Consumer safety
- Evidence of compliance with the respective requirements and basis for applying for a registration number for a medical aid.

Labels and certificates

For relevant products, the producer can apply for the quality mark with the Quality mark association for medical compression hosiery.

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 to 4 weeks