

English Version

Method for testing compression in medical hosiery

Méthode d'essai de compression des bas médicaux

Verfahren zur Kompressionsprüfung von medizinischen
Strümpfen

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Foreword

This document (CEN/TR 15831:2009) has been prepared by Technical Committee CEN/TC 205 “Non-active medical devices”, the secretariat of which is held by DIN.

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This document is based on the test methods described in ENV 12718:2001 and ENV 12719:2001 which have been withdrawn.

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1 Scope

This document applies to medical compression hosiery and thrombosis prophylaxis hosiery.

An important property of hosiery is the compression it exerts on the limb. This document is intended to provide a reference for testing the compressive properties in medical hosiery.

2 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

2.1 compression

pressure exerted on the leg by the hosiery

2.2 custom made hosiery

hosiery manufactured individually to suit the leg dimensions of an individual patient

2.3 practical elongation

elongation of hosiery in the circumferential direction with the hosiery on the leg, expressed as a percentage of the unloaded circumference of the hosiery

2.4 pressure profile

representation of the compression exerted by the hosiery along the leg

2.5 residual pressure

compression at a certain point expressed as a percentage of the compression at the ankle

2.6 standard size hosiery

hosiery manufactured in the types and sizes specified

2.7 medical thrombosis prophylaxis hosiery

hosiery which when worn on the leg exerts graduated compression on the leg surface and is principally intended to reduce the incidence of venous thrombosis in non-ambulant patients

NOTE Abbreviated in this document to 'hosiery'

2.8 medical compression hosiery

hosiery for treating leg diseases by means of graduated compression exerting a definite pressure on the leg in a specific way

NOTE Abbreviated in this document to 'hosiery'

2.9 stiffness

increase in compression per centimetre increase in the circumference of the leg, expressed in hectopascals per centimetre and/or millimetres of mercury per centimetre