

Textiles - Monofilaments - Determination of tensile properties

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 13895:2003 sisaldab Euroopa standardi EN 13895:2003 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 15.04.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 13895:2003 consists of the English text of the European standard EN 13895:2003.</p> <p>This document is endorsed on 15.04.2003 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: This draft European Standard specifies methods for the determination of tensile properties of monofilaments and specifies test requirements in addition where needed.</p>	<p>Scope: This draft European Standard specifies methods for the determination of tensile properties of monofilaments and specifies test requirements in addition where needed.</p>
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Võtmesõnad: filaments, materials testi, mathematical calculations, measuring equipment, mechanical properties, monofil, monofilament yarns, sampling, sampling methods, tensile force, tensile strength, testing, textile fibres, textile products, textiles, yarn, yarn count, yarns

ICS 59.080.20

English version

Textiles - Monofilaments - Determination of tensile propertiesTextiles - Monofilaments - Détermination des propriétés en
tractionTextilien - Monofilamente - Bestimmung der
Zugdehnungseigenschaften

This European Standard was approved by CEN on 21 November 2002.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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Foreword

This document (EN 13895:2003) has been prepared by Technical Committee CEN /TC 248 "Textiles and textile products", the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2003, and conflicting national standards shall be withdrawn at the latest by September 2003.

Annexes A, B, C and D are informative.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This draft European Standard specifies a method for the determination of tensile properties of monofilaments.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 13392, *Textiles — Monofilaments - Determination of linear density*

EN 20139, *Textiles — Standard atmospheres for conditioning and testing (ISO 139:1973)*

EN ISO 7500-1: *Metallic materials — Verification of static uniaxial testing machines — Part 1: Tension/compression testing machines (ISO 7500-1:1999)*

3 Terms and definitions

For the purposes of this European Standard, the following terms and definitions apply:

3.1

monofilament

yarn made with only one filament

3.2

pretension

tension applied to a specimen at the beginning of the test to establish the gauge length

3.3

gauge length

length of the specimen measured between the clamping points under pretension. In bollard or capstan clamps, it is the distance between their gripping points, measured along the path of the monofilament

3.4

constant rate of extension (CRE) dynamometer

tensile testing machine where one clamp is stationary and the other is moving with a constant speed throughout the test, and where the entire testing system is virtually free from deflection

3.5

clamps

parts of the testing device which are used to grip the specimen by means of suitable jaws

3.6

jaws

elements of a clamp which grip the specimen without damaging it and which prevent slippage during the test

3.7

package

method of presentation of the monofilament, e.g. spool, tube, cone