

## **Textiles - Multifilament yarns - Methods of test for textured or non-textured filament yarns**

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## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 14621:2006 sisaldab Euroopa standardi EN 14621:2005 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 27.02.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 14621:2006 consists of the English text of the European standard EN 14621:2005.</p> <p>This document is endorsed on 27.02.2006 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><b>Käsitlusala:</b></p> <p>This European Standard specifies test methods for quality control of textured and non textured multifilament synthetic yarns. It includes the following test methods:- determination of the crimp contraction - textured multifilament yarn with linear density up to 500 dtex; - determination of the hot air shrinkage - for non textured and textured multifilament yarns; - determination of the boiling water shrinkage - for non textured and textured multifilament yarns.</p>	<p><b>Scope:</b></p> <p>This European Standard specifies test methods for quality control of textured and non textured multifilament synthetic yarns. It includes the following test methods:- determination of the crimp contraction - textured multifilament yarn with linear density up to 500 dtex; - determination of the hot air shrinkage - for non textured and textured multifilament yarns; - determination of the boiling water shrinkage - for non textured and textured multifilament yarns.</p>
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ICS 59.080.20

Võtmesõnad:

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English Version

**Textiles - Multifilament yarns - Methods of test for textured or  
non-textured filament yarns**

Textiles - Multifilaments - Méthodes d'essais pour la frisure  
des fils multifilaments texturés et le retrait thermique des  
fils plats et textures

Textilien - Multifilamentgarne - Prüfverfahren für texturierte  
und nicht texturierte Multifilamentgarne

This European Standard was approved by CEN on 26 October 2005.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

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## Foreword

This European Standard (EN 14621:2005) has been prepared by the 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 June 2006, and conflicting national standards shall be withdrawn at the latest by June 2006.

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

## 1 Scope

This European Standard specifies test methods for quality control of textured and non-textured multifilament synthetic yarns. It includes the following test methods:

- determination of the crimp contraction - textured multifilament yarn with linear density up to 500 dtex;
- determination of the hot air shrinkage - for non-textured and textured multifilament yarns;
- determination of the boiling water shrinkage - for non-textured and textured multifilament yarns.

## 2 Normative references

The following referenced documents are indispensable for the application of this European Standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN ISO 139, *Textiles — Standard atmospheres for conditioning and testing (ISO 139:2005)*

## 3 Terms and definitions

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

### 3.1

#### **crimp contraction**

contraction of a textured filament yarn resulting from the development of crimp, expressed as a percentage of its original length, with the lengths of the contracted and straightened yarns measured under specified tensions

### 3.2

#### **thermal shrinkage**

decrease in length of a textured or non-textured filament yarn as a result of a thermal treatment (boiling water or hot air), expressed as a percentage of its original length

### 3.3

#### **linear density**

mass per unit length of a multifilament yarn as defined in EN ISO 2060

### 3.4

#### **tension**

tensile force applied to the specimen, generally related to its linear density

### 3.5

#### **pre-tension**

tension applied to a specimen at the beginning of certain tests

### 3.6

#### **straightened length**

length of the specimen measured under a high tensile force, which straightens the skein without stretching

### 3.7

#### **contracted length of textured yarn**

length of the specimen measured under a low tensile force after a specified recovery time has elapsed