

**Textiles - Quantitative chemical analysis - Part 20:  
Mixtures of elastane and certain other fibres (method  
using dimethylacetamide)**

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 1833-20:2010 sisaldab Euroopa standardi EN ISO 1833-20:2010 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 31.10.2010 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 13.10.2010.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN ISO 1833-20:2010 consists of the English text of the European standard EN ISO 1833-20:2010.

This standard is ratified with the order of Estonian Centre for Standardisation dated 31.10.2010 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

Date of Availability of the European standard text 13.10.2010.

The standard is available from Estonian standardisation organisation.

ICS 59.060.01

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English Version

Textiles - Quantitative chemical analysis - Part 20: Mixtures of  
elastane and certain other fibres (method using  
dimethylacetamide) (ISO 1833-20:2009)

Textiles - Analyse chimique quantitative - Partie 20:  
Mélanges d'élasthanne et de certaines autres fibres  
(méthode à la diméthylacétamide) (ISO 1833-20:2009)

Textilien - Quantitative chemische Analysen - Teil 20:  
Mischungen aus Elasthanfasern und bestimmten anderen  
Fasern (Dimethylacetamid-Verfahren) (ISO 1833-20:2009)

This European Standard was approved by CEN on 12 September 2010.

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## Foreword

The text of ISO 1833-20:2009 has been prepared by Technical Committee ISO/TC 38 "Textiles" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 1833-20:2010 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of an identical text or by endorsement, at the latest by April 2011, and conflicting national standards shall be withdrawn at the latest by April 2011.

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### Endorsement notice

The text of ISO 1833-20:2009 has been approved by CEN as a EN ISO 1833-20:2010 without any modification.

# Textiles — Quantitative chemical analysis —

## Part 20:

### Mixtures of elastane and certain other fibres (method using dimethylacetamide)

**WARNING** — This part of ISO 1833 calls for the use of substances/procedures that may be injurious to the health/environment if appropriate conditions are not observed. It refers only to technical suitability and does not absolve the user from legal obligations relating to health and safety/environment at any stage.

## 1 Scope

This part of ISO 1833 specifies a method using dimethylacetamide to determine the percentage of elastane, after removal of non-fibrous matter, in textiles made of binary mixtures of certain elastane fibres with cotton, viscose, cupro, modal, polyamide, polyester or wool fibres.

This method is not applicable when acrylic fibres are present.

## 2 Normative references

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

ISO 1833-1:2006, *Textiles — Quantitative chemical analysis — Part 1: General principles of testing*

## 3 Principle

The elastane fibre is dissolved out from a known dry mass of the mixture with dimethylacetamide (DMA). The residue is collected, washed, dried and weighed; its mass, corrected if necessary, is expressed as a percentage of the dry mass of the mixture. The percentage of elastane is found by difference.

## 4 Reagents

Use the reagents described in ISO 1833-1, together with that specified in 4.1.

### 4.1 Dimethylacetamide (DMA)

**SAFETY PRECAUTIONS** — The harmful effects of this reagent shall be borne in mind, and full precautions shall be taken during use.