

**Textiles - Assessment of the ignitability of bedding
items - Part 1: Ignition source: smouldering cigarette**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 12952-1:2010 sisaldab Euroopa standardi EN ISO 12952-1:2010 ingliskeelset teksti.

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English Version

**Textiles - Assessment of the ignitability of bedding items - Part
1: Ignition source: smouldering cigarette (ISO 12952-1:2010)**

Textiles - Évaluation de l'allumabilité des articles de literie -
Partie 1: Source d'allumage: cigarette en combustion (ISO
12952-1:2010)

Textilen - Bewertung des Brennverhaltens von Bettzeug -
Teil 1: Zündquelle: glimmende Zigarette (ISO 12952-
1:2010)

This European Standard was approved by CEN on 30 September 2010.

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Foreword

This document (EN ISO 12952-1:2010) has been prepared By Technical Committee CEN/TC 248 "Textiles and textile products", the secretariat of which is held by BSI, in collaboration with Technical Committee ISO/TC 38 "Textiles".

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of an identical text or by endorsement, at the latest by April 2011, and conflicting national standards shall be withdrawn at the latest by April 2011.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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Introduction

Fires are sometimes caused by the ignition of bedding items by smokers' materials. The ignitability of bedding items by a smouldering cigarette or a small open flame is therefore an important feature in the assessment of the risk of fire.

It cannot be assumed that protection against a smouldering ignition source will automatically give protection against flaming ignition. Users of this part of ISO 12952 should therefore consider the need to submit test specimens to both cigarette and flaming ignition tests.

This part of ISO 12952 describes test methods with a smouldering cigarette as the ignition source. Testing against the ignition source of a small open flame is covered in ISO 12952-2.

This part of ISO 12952 can be used for the assessment of ignitability of individual items of bedding and of composite arrangements.

Textiles — Assessment of the ignitability of bedding items —

Part 1:

Ignition source: smouldering cigarette

WARNING — This test relates only to the ignitability of materials under the particular conditions of testing. It is not intended as a means of assessing the full potential fire hazard of the bedding item in use. Particular attention is drawn to the possibility of ignition of lower parts of a bedding assembly when using bedding items which are not themselves ignited. The performance of beds and mattresses requires reference to testing and performance standards other than those described in this part of ISO 12952.

1 Scope

This part of ISO 12952 specifies test methods for assessing the ignitability of all bedding items when subjected to a smouldering cigarette.

This part of ISO 12952 applies to bedding items, which can normally be placed on a mattress, for example:

- mattress covers;
- underlays;
- incontinence sheets and pads;
- sheets;
- blankets;
- electric blankets;
- quilts (duvets) and covers;
- pillows (whatever the filling) and bolsters;
- pillowcases.

This part of ISO 12952 does not apply to mattresses, bed bases and mattress pads.

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 3175-2, *Textiles — Professional care, drycleaning and wetcleaning of fabrics and garments — Part 2: Procedure for testing performance when cleaning and finishing using tetrachloroethene*

ISO 3175-3, *Textiles — Professional care, drycleaning and wetcleaning of fabrics and garments — Part 3: Procedure for testing performance when cleaning and finishing using hydrocarbon solvents*

ISO 3175-4, *Textiles — Professional care, drycleaning and wetcleaning of fabrics and garments — Part 4: Procedure for testing performance when cleaning and finishing using simulated wetcleaning*

ISO 4880, *Burning behaviour of textiles and textile products — Vocabulary*

ISO 6330:2000, *Textiles — Domestic washing and drying procedures for textile testing*

ISO 10528, *Textiles — Commercial laundering procedure for textile fabrics prior to flammability testing*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 4880 and the following apply.

- 3.1**
bed
mattress placed on top of a bed base with no other bedding items present
- 3.2**
bed assembly
stack of successive layers of mattress and various bedding items, with or without a pillow and pillowcase, representing a section through the centre of a made-up bed
- 3.3**
bed base
structure that supports the mattress
- 3.4**
bedding
general term for all items placed on the mattress or the bed by a user to provide comfort and warmth and/or for decorative purposes, for example, sheets, blankets, bed spreads, valances, quilts, duvets, quilt covers and mattress covers
- 3.5**
bolster
long round pillow or cushion
- 3.6**
duvet
bedding item made principally from a woven material and filled, for example, with down, feathers or filling fibres
- NOTE A duvet can be quilted in various ways.
- 3.7**
incontinence sheet
sheet to protect the mattress and bedding for incontinent people
- 3.8**
mattress
product in the form of a resilient material, or padding material in combination with steel springs, enveloped by a cover fabric
- 3.9**
mattress cover
secondary covering material that can be removed for laundering purposes