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NSAI Standards

Irish Standard
I.S. EN ISO 12952-2:2010

Textiles - Assessment of the ignitability of bedding items - Part 2: Ignition source: match-flame equivalent (ISO 12952 -2:2010)

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 12952-2

October 2010

ICS 13.220.40; 97.160

Supersedes EN ISO 12952-3:1998, EN ISO 12952-4:1998

English Version

Textiles - Assessment of the ignitability of bedding items - Part 2: Ignition source: match-flame equivalent (ISO 12952-2:2010)

Textiles - Évaluation de l'allumabilité des articles de literie - Partie 2: Source d'allumage: flamme simulant une allumette (ISO 12952-2:2010)

Textilien - Bewertung des Brennverhaltens von Bettzeug - Teil 2: Prüfverfahren für die Entzündbarkeit durch eine kleine offene Flamme (ISO 12952-2:2010)

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

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Foreword

This document (EN ISO 12952-2:2010) 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of an identical text or by endorsement, at the latest by April 2011, and conflicting national standards shall be withdrawn at the latest by April 2011.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.

This document supersedes EN ISO 12952-3:1998, EN ISO 12952-4:1998.

This document has been submitted to the parallel Enquiry as prEN ISO 12952-3.

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I.S. EN ISO 12952-2:2010

INTERNATIONAL STANDARD

ISO 12952-2

Second edition
2010-10-01

Textiles — Assessment of the ignitability of bedding items —

Part 2: Ignition source: match-flame equivalent

Textiles — Évaluation de l'allumabilité des articles de literie —

Partie 2: Source d'allumage: flamme simulant une allumette

Reference number
ISO 12952-2:2010(E)

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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ISO 12952-2 was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 248, *Textiles and textile products*, in collaboration with Technical Committee ISO/TC 38, *Textiles*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces ISO 12952-3:1998 and ISO 12952-4:1998, which have been technically revised.

ISO 12952 consists of the following parts, under the general title *Textiles — Assessment of the ignitability of bedding items*:

— *Part 1: Ignition source: smouldering cigarette*

— *Part 2: Ignition source: match-flame equivalent*

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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 match-flame equivalent as the ignition source. Testing against the ignition source of a smouldering cigarette is covered in ISO 12952-1.

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

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Textiles — Assessment of the ignitability of bedding items —

Part 2:
Ignition source: match-flame equivalent

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 tests for assessing the ignitability of all bedding items when subjected to a match-flame equivalent.

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*

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