BS EN ISO 12952-1:2010

BSI Standards Publication

Textiles — Assessment of the ignitability of bedding items

Part 1: Ignition source: smouldering cigarette (ISO 12952-1:2010)

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National foreword

This British Standard is the UK implementation of EN ISO 12952-1:2010. It supersedes BS EN ISO 12952-1:1999 and BS EN ISO 12952-2:1999, which are withdrawn.

The UK participation in its preparation was entrusted to Technical Committee TCI/66/-/8, Burning behaviour.

A list of organizations represented on this committee can be obtained on request to its secretary.

The limited range of ignition sources contained in BS EN ISO 12952-1:1998 and BS EN ISO 12952-3:1998 do not encompass a sufficient range of severity to enable determination of performance across the range of hazard categories used within the UK. Additional testing is required to verify the performance of fabrics to the higher levels of hazard category set, other than those listed within this standard.

Additional testing is required using the wooden crib based larger ignition sources when testing, to determine the performance of fabrics to Medium Hazard category (Ignition Source 5), High Hazard category (Ignition Source 7), Very High Hazard category (Ignition Source 7, and any additional higher ignition sources).

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 January 2011.

Amendments issued since publication

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EUROPEAN STANDARD

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EUROPÄISCHE NORM

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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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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 CEN Management Centre has the same status as the official versions.

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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.

This document supersedes EN ISO 12952-1:1998, EN ISO 12952-2:1998.

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

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

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 12952-1 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 12952-1:1998 and ISO 12952-2:1998, 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 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.

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