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Textile child care articles - Safety requirements and test methods for childrens cot duvets - Part 1: Duvet (excluding duvet covers)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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English Version

Textile child care articles - Safety requirements and test
methods for children's cot duvets - Part 1: Duvet
(excluding duvet covers)

Articles textiles de puériculture - Exigences de sécurité
et méthodes d'essai pour les couettes pour lit à nacelle
- Partie 1 : Couette (excluant les housses de couette)

Textile Artikel für Kleinkinder und Säuglinge -
Sicherheitstechnische Anforderungen und
Prüfverfahren für Kinderbettdecken - Teil 1:
Bettdecken (ausgenommen Bettbezüge)

This European Standard was approved by CEN on 8 February 2018.

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

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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EN 16779-1:2018 (E)**European foreword**

This document (EN 16779-1:2018) has been prepared 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of an identical text or by endorsement, at the latest by February 2019, and conflicting national standards shall be withdrawn at the latest by February 2019.

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

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

Following the publication and implementation of this document in CEN member countries, it has been agreed by CEN TC 248 that there should be an 18 month transition period from the date of availability to allow manufacturers to develop and produce garments that conform to the standard. This period is also to allow the supply chain, from manufacturer through to the consumer, to be cleared of non-conforming children's cot duvets.

EN 16779 is composed with the following parts:

- *Textile child care articles — Safety requirements and test methods for children's cot duvets — Part 1: Duvet (excluding duvet covers)* [the present document; currently at Formal Vote stage];
- *Textile child care use articles — Safety requirements and test methods for children's cot duvets — Part 2: Duvet covers (excluding duvets)* [currently in preparation].

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

Introduction

The European Commission Mandate M/497, followed by Product and Service safety in the Directorate-General Health and Consumers, under the title “Standardisation mandate to CEN, CENELEC and ETSI on the safety of child-care articles; Cluster 2- risks in the sleeping environment; Mattresses for cots, cot bumpers, suspended beds for children, duvets for children, sleep bags for children”, issued on 2011-10-20 and accepted by CEN/BT on 2011-12-20, requested that CEN develop standards or specifications including safety requirements and test methods, warnings and instructions to adult users in order to address the possible hazard posed by these products.

The aim of this European Standard is to minimize the main *risks posed by products in the sleep environment of babies and young children, such as:*

- internal asphyxiation (choking);
- entrapment;
- hyperthermia (overheating);
- strangulation;
- external asphyxiation (suffocation);
- flammability;
- injuries due to ingestion of small parts;
- injuries due to chemicals.

For the development of this document, attention was paid to:

- the child’s stages of development (age, height, weight, ability, etc.); cot duvets were studied in relation to children up to 3 years of age;
- the intended or foreseeable use of the cot duvet, bearing in mind a child’s behaviour; such behaviour exposes children to injury in ways that differ from those of adults, making children a particularly vulnerable group in society;
- the hazard presented by the cot duvet in the circumstances under which the cot duvet and the child come into contact with each other.

IMPORTANT — In order to comply with the essential safety requirements, this document is hazard based. As this document only deals with a particular textile child-care article, i.e. children's cot duvets, design characteristics have been specified only when necessary in order to introduce inherently safe design. These characteristics have been specified in a manner which allows compliance to be checked by interested parties, from designers to market surveillance authority officers.

EN 16779-1:2018 (E)

1 Scope

This European Standard specifies requirements for the safety of children's cot duvets, excluding removable duvet covers, used in the child's sleeping environment (i.e. not under supervision), and designed to provide sufficient warmth when sleeping in a cot or similar product (e.g. crib/cradle) in which a child is contained. This document specifies requirements for cot duvets suitable for children up to 36 months. Cot duvets with permanent decorative outer fabrics also known as cot quilts or coverlet are also in the scope.

NOTE The informative Annex E lists topics of further investigations which might lead to necessary improvement of the safety requirements of children's cot duvets.

The requirements for removable cot duvet covers are excluded from this document and are covered in EN 16779-2.

If a part of the children's cot duvet is designed to offer additional function (e.g. play function), in addition of the following requirements, this part will be subjected to safety requirements related to relevant standards (see A.1).

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

EN 71-3:2013,¹ *Safety of toys - Part 3: Migration of certain elements*

EN 1103, *Textiles - Fabrics for apparel - Detailed procedure to determine the burning behaviour*

EN 1162, *Feather and down - Test methods - Determination of the oxygen index number*

EN 1164, *Feather and down - Test methods - Determination of the turbidity of an aqueous extract*

EN 12935, *Feather and down - Hygiene and cleanliness requirements*

EN 16732:2015, *Slide fasteners (zips) - Specification*

EN ISO 105-E01, *Textiles - Tests for colour fastness - Part E01: Colour fastness to water (ISO 105-E01)*

EN ISO 139, *Textiles - Standard atmospheres for conditioning and testing (ISO 139)*

EN ISO 6330, *Textiles - Domestic washing and drying procedures for textile testing (ISO 6330)*

EN ISO 11092, *Textiles - Physiological effects - Measurement of thermal and water-vapour resistance under steady-state conditions (sweating guarded-hotplate test) (ISO 11092)*

EN ISO 14184-1, *Textiles - Determination of formaldehyde - Part 1: Free and hydrolysed formaldehyde (water extraction method) (ISO 14184-1)*

EN ISO 17226-1, *Leather - Chemical determination of formaldehyde content - Part 1: Method using high performance liquid chromatography (ISO 17226-1)*

¹ Impacted by EN 71-3:2013+A2:2017

ISO 105-F10, *Textiles — Tests for colour fastness — Part F10: Specification for adjacent fabric: Multifibre*

ISO 4915, *Textiles — Stitch types — Classification and terminology*

ISO 5085-1, *Textiles — Determination of thermal resistance — Part 1: Low thermal resistance*

ISO 7000, *Graphical symbols for use on equipment — Registered symbols*

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