



**SLOVENSKI STANDARD**  
**oSIST prEN 16779-2:2020**

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**Tekstilni izdelki za otroke - Varnostne zahteve in preskusne metode za prešite odeje za otroško posteljico - 2. del: Prevleke za odeje (razen prešite odeje)**

Textile child care articles - Safety requirements and test methods for children's cot duvets - Part 2: Duvet covers (excluding duvet)

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**ICS:**

97.160	Tekstilije za dom. Perilo	Home textiles. Linen
97.190	Otroška oprema	Equipment for children

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## Textile child care articles - Safety requirements and test methods for children's cot duvets - Part 2: Duvet covers (excluding duvet)

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## Contents

Page

European foreword.....	4
Introduction .....	5
1 Scope .....	6
2 Normative references.....	6
3 Terms and definitions .....	7
4 Requirements and test methods.....	9
4.1 Design characteristics (see A.2).....	9
4.1.1 General.....	9
4.1.2 Cot duvet cover construction.....	10
4.1.3 Threads (including cot duvet cover seams) .....	10
4.1.4 Labels (when attached on the outside of the cover).....	10
4.1.5 Press fasteners, buttons.....	11
4.1.6 Slide fasteners .....	11
4.1.7 Touch and close fasteners.....	11
4.1.8 Embellishments .....	11
4.1.9 Duvet cover fabrics.....	12
4.2 Mechanical and physical hazards.....	12
4.2.1 Entrapment of fingers and toes, ischemia.....	12
4.2.2 Strangulation and suffocation.....	13
4.2.3 Small part aspiration or ingestion, internal asphyxiation (choking) .....	13
4.2.4 Cutting, puncture, abrasion.....	14
4.3 Chemical hazards (see A.4).....	14
4.3.1 Migration of certain substances.....	14
4.3.2 Formaldehyde .....	15
4.3.3 Flame retardants.....	15
4.4 Thermal hazards (hypothermia and hyperthermia – see A.5) .....	15
4.5 Fire hazards (see A.6).....	15
4.6 Hygiene hazards (see A.7).....	16
4.6.1 Requirements and methods.....	16
5 User information .....	16
5.1 General.....	16
5.2 Marking.....	16
5.3 Purchase information.....	17
5.4 Instruction for use .....	17
5.5 Plastic packaging.....	17
Annex A (informative) Rationale.....	18
A.1 General.....	18
A.2 Design hazards.....	18
A.3 Mechanical and physical hazards.....	20
A.4 Chemical hazards .....	21
A.5 Thermal hazards (Hyperthermia and hypothermia).....	22
A.6 Fire hazards.....	23

<b>A.7</b>	<b>Hygiene hazards.....</b>	<b>23</b>
<b>Annex B (informative)</b>	<b>Specific marking, purchase information and user instruction.....</b>	<b>24</b>
<b>Bibliography</b>	<b>.....</b>	<b>25</b>

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[oSIST prEN 16779-2:2020](https://standards.iteh.ai/catalog/standards/sist/46105502-04e4-412c-b7fb-c57f76194da6/osist-pren-16779-2-2020)  
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**prEN 16779-2:2020 (E)**

**European foreword**

This document (prEN 16779-2:2020) has been prepared by Technical Committee CEN/TC 248 “Textiles and textile products”, the secretariat of which is held by BSI.

This document is currently submitted to the CEN Enquiry.

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## Introduction

The present document has been written to support EN 16779-1 Textile child care articles – Safety requirements and test methods for children's cot duvets - Part 1: Duvet (excluding duvet covers) and to be used in conjunction with it.

EN 16779-1 was written as a response to the European Commission Mandate N° M/497, 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”.

The aim of this present document 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; **iTeh STANDARD PREVIEW**
- injuries due to falls; **(standards.iteh.ai)**
- injuries due to ingestion of small parts; [prEN 16779-2:2020](https://standards.iteh.ai/catalog/standards/sist/46105502-04e4-412c-b7fb-c57f76194da6/osist-pren-16779-2-2020)
- injuries due to chemicals. <https://standards.iteh.ai/catalog/standards/sist/46105502-04e4-412c-b7fb-c57f76194da6/osist-pren-16779-2-2020>

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

- the child’s stages of development (age, height, weight, ability, etc.). Sleep bags were studied in relation to children up to 3 years of age.
- the intended or foreseeable use of the cot duvet cover, 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 product in the circumstances under which the product 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. removable cot duvet covers, 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.**

**prEN 16779-2:2020 (E)****1 Scope**

This document specifies requirements for the safety of removable cot duvet covers, used in the child's sleeping environment (i.e. not under supervision), and designed to envelop a cot duvet when sleeping in a cot or similar product (e.g. crib/cradle) in which a child is contained. This document specifies requirements for removable cot duvet covers suitable for children up to 36 months.

The requirements for cot duvets are covered in EN 16779-1.

If a part of the cot duvet covers is designed to offer additional functions (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,<sup>1</sup> *Safety of toys - Part 3: Migration of certain elements*

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

EN ISO 6330, *Textiles - Domestic washing and drying procedures for textile testing (ISO 6330:2012)*

EN ISO 14184-1, *Textiles - Determination of formaldehyde - Part 1: Free and hydrolysed formaldehyde (water extraction method) (ISO 14184-1:2011)*

EN ISO 17226-1, *Leather - Chemical determination of formaldehyde content - Part 1: Method using high performance liquid chromatography (ISO 17226-1:2018)*

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

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

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<sup>1</sup> Impacted by EN 71 3:2013+A3:2018.



### 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <http://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

#### 3.1

##### **cot duvet**

bedding item intended to cover the child's body, consisting of a filling material permanently sewn into a textile cover intended to be used with or without duvet cover in the cot or in a similar product

Note 1 to entry: The terms "cot quilt" or "coverlet" are interchangeable with "cot duvet".

[SOURCE: EN 16779-1:2018, 3.1]

#### 3.2

##### **cot duvet cover**

removable bed linen intended to envelop a cot duvet

[SOURCE: EN 16779-1:2018, 3.2 with "bed linen" replacing "bedding item"]

#### 3.3

##### **cot**

bed for a child consisting of a base and enclosed by high sides to prevent the child from falling out

[SOURCE: EN 16779-1:2018, 3.3]  
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#### 3.4

##### **harm**

injury or damage to the health of people

[SOURCE: ISO/IEC Guide 51:2014, 3.1, modified - "or damage to property or the environment" has been deleted.]

#### 3.5

##### **hazard**

potential source of *harm* (3.4)

[SOURCE: ISO/IEC Guide 51:2014, 3.2]

#### 3.6

##### **risk**

combination of the probability of occurrence of *harm* (3.4) and the severity of that *harm*

[SOURCE: ISO/IEC Guide 51:2014, 3.9, modified — Note 1 to entry has been deleted.]

**prEN 16779-2:2020 (E)****3.7****inherently safe design**

measures taken to eliminate *hazards* (3.5) and/or to reduce *risks* (3.6) by changing the design or operating characteristics of the product or system

[SOURCE: ISO/IEC Guide 51:2014, 3.5]

**3.8****asphyxiation**

insufficient supply of air to the airways

Note 1 to entry: Insufficient supply of air could be caused e.g. by closing off the flow of air as a result of choking or suffocation or by entrapment in an unventilated, confined space.

[SOURCE: EN 71-1:2014, 3.3]

**3.9****choking**

closing off the flow of air as a result of internal *asphyxiation* (3.8)

Note 1 to entry: Choking can, for example, be caused by inhalation of an object, by an object becoming wedged in the mouth or pharynx, or by an object becoming lodged over the entrance to the lower airways.

[SOURCE: EN 71-1:2014, 3.9]

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**3.10****suffocation**

closing off the flow of air as a result of airway obstruction external to the mouth and nose

[SOURCE: EN 71-1:2014, 3.59] <https://standards.iteh.ai/catalog/standards/sist/46105502-04e4-412c-b7fb-c57f76194da6/osist-pren-16779-2-2020>

**3.11****cord**

cord, chain, ribbon, string or tape of any textile or non-textile material, including elastic material

[SOURCE: EN 16779-1:2018, 3.11]

**3.12****monofilament thread**

single thread of man-made fibre

[SOURCE: EN 16779-1:2018, 3.12]

**3.13****burr**

roughness, caused by not cleanly severing or finishing the material

[SOURCE: EN 71-1:2014, 3.6]

**3.14****surface flash**

rapid spread of flame over the surface of a material without ignition of its basic structure

[SOURCE: ISO 4880:1997, 63, Note 1 to entry: “However, if the latter occurs simultaneously or sequentially with surface flash, it is not considered as a part of surface flash.”]

**3.15****three dimensional embellishment**

decorative item attached to a cord that is thicker and/or wider than the cord itself

Note 1 to entry: Thin materials such as plastic sleeving (boot lace ends) which are not thicker than the cord itself are not considered as three dimensional embellishments.

[SOURCE: EN 14682:2014, 2.21]

**3.16****raised fabric**

fabric for which a surface effect is formed by mechanically raising fibres from yarns of the ground fabric

[SOURCE: ISO 12947-2:2016, 3.6 with “yarns” replacing “threads (3.1)”]

**3.17****napped fabric**

fleece fabric

**3.18****appliqué**

cut out design or shape attached to the face of material for ornamentation, frequently of a different type and/or shade of material

[SOURCE: CEN/TR 16792:2014, 3.20]

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**4 Requirements and test methods**

NOTE Rationales for the inclusion of some of the requirements given in this document are given in Annex A. Table A.1 summarizes the relation between the design characteristics (4.1), and the hazards (4.2 to 4.6).

**4.1 Design characteristics (see A.2)****4.1.1 General**

**4.1.1.1** Children's cot duvet covers shall not be designed, manufactured or supplied with drawstrings or cords (see A.3.2).

**4.1.1.2** Children's cot duvet covers shall not have any pockets (see A.2.3),

**4.1.1.3** Maximum dimensions: 125 cm x 145 cm (see A.2.1 and Annex D), measured on cot duvet cover lying flat and without pretension

**4.1.1.4** Children's cot duvet covers shall not be manufactured with plastic transfer (e.g. plastic print) or coated fabrics (see A.3.4)

**4.1.1.5** Children's cot duvet covers shall not be designed, manufactured or supplied with magnetic components (see A.3.3.3.)