

<b>STN</b>	<b>Bezpečnosť hračiek Časť 2: Horľavosť</b>	<b>STN EN 71-2</b>  94 3094
------------	---	---------------------------------------

Safety of toys - Part 2: Flammability

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

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 03/21

Obsahuje: EN 71-2:2020

Oznámením tejto normy sa ruší  
STN EN 71-2+A1 (94 3094) zo septembra 2014

**132443**

EUROPEAN STANDARD

**EN 71-2**

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2020

ICS 13.220.40; 97.200.50

Supersedes EN 71-2:2011+A1:2014

English Version

**Safety of toys - Part 2: Flammability**

Sécurité des jouets - Partie 2: Inflammabilité

Sicherheit von Spielzeug - Teil 2: Entflammbarkeit

This European Standard was approved by CEN on 28 September 2020.

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.

CEN members are the national standards bodies of 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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

<b>Contents</b>	<b>Page</b>
European foreword.....	4
Introduction .....	6
<b>1 Scope</b> .....	<b>6</b>
<b>2 Normative references</b> .....	<b>6</b>
<b>3 Terms and definitions</b> .....	<b>7</b>
<b>4 Requirements</b> .....	<b>9</b>
4.1 General requirements .....	9
4.2 Toys to be worn on the head (see A. 3).....	9
4.2.1 General.....	9
4.2.2 Beards, moustaches, wigs, etc., made from pile or flowing elements which protrude 50 mm or more from the surface of the toy.....	10
4.2.3 Beards, moustaches, wigs, etc., made from pile or flowing elements which protrude less than 50 mm from the surface of the toy .....	10
4.2.4 Full or partial moulded head masks .....	10
4.2.5 Toys to be worn on the head (except those covered by 4.2.2 and 4.2.3), hoods, headdresses including upward protruding items and masks not covered by 4.2.4 which partially or fully cover the head (e.g. fabric and paperboard masks, eye masks, face masks), but excluding those items covered by 4.3.....	10
4.3 Toy disguise costumes and toys intended to be worn by a child in play (see A.4) .....	10
4.4 Toys intended to be entered by a child (see A.5).....	11
4.5 Soft-filled toys (see A.6) .....	11
<b>5 Test methods</b> .....	<b>11</b>
5.1 General.....	11
5.1.1 Test burner.....	11
5.1.2 Conditioning and test chamber .....	11
5.1.3 Test flame.....	12
5.2 Test relating to beards, moustaches, wigs, etc., made from pile or flowing elements, which protrude 50 mm or more from the surface of the toy.....	12
5.2.1 Test flame.....	12
5.2.2 Test burner position .....	12
5.2.3 Test performance.....	12
5.3 Test relating to beards, moustaches, wigs, etc., made from pile or flowing elements, which protrude less than 50 mm from the surface of the toy, and full or partial moulded head masks (see A.7).....	12
5.3.1 Test flame.....	12
5.3.2 Test burner position .....	12
5.3.3 Test performance.....	12
5.4 Test relating to toys to be worn on the head (4.2.5), hoods, headdresses including upward protruding items and masks not covered by 4.2.4 which partially or fully cover the head (e.g. fabric and paperboard masks, eye masks, face masks), toy disguise costumes and toys intended to be worn or toys intended to be entered by a child (see A.8) .....	12
5.4.1 Preparation of test specimen.....	13
5.4.2 Holding and positioning the test specimen .....	16
5.4.3 Test flame.....	17
5.4.4 Test burner position .....	17
5.4.5 Test performance.....	18
5.4.6 Results.....	18

<b>5.5</b>	<b>Test for soft-filled toys and certain soft-filled parts of toy disguise costumes.....</b>	<b>19</b>
<b>5.5.1</b>	<b>Test flame .....</b>	<b>19</b>
<b>5.5.2</b>	<b>Test burner position.....</b>	<b>19</b>
<b>5.5.3</b>	<b>Test performance .....</b>	<b>19</b>
	<b>Annex A (informative) Background and rationale for this document.....</b>	<b>20</b>
<b>A.1</b>	<b>General .....</b>	<b>20</b>
<b>A.2</b>	<b>General requirements (see 4.1) .....</b>	<b>20</b>
<b>A.3</b>	<b>Toys to be worn on the head (see 4.2) .....</b>	<b>20</b>
<b>A.4</b>	<b>Toy disguise costumes and toys intended to be worn by a child in play (see 4.3).....</b>	<b>26</b>
<b>A.5</b>	<b>Toys intended to be entered by a child (see 4.4) .....</b>	<b>27</b>
<b>A.6</b>	<b>Soft-filled toys (see 4.5).....</b>	<b>27</b>
<b>A.7</b>	<b>Test relating to toy disguise costumes and toys intended to be entered by a child (see 5.4).....</b>	<b>28</b>
<b>A.8</b>	<b>Suggestions to help reduce rate of spread of flames for toy disguise costumes.....</b>	<b>28</b>
<b>A.9</b>	<b>Flowcharts showing how to obtain test specimens from toy disguise costumes .....</b>	<b>29</b>
	<b>Annex B (informative) Significant technical changes between this European and the previous version .....</b>	<b>32</b>
	<b>Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2009/48/EC aimed to be covered.....</b>	<b>34</b>
	<b>Bibliography .....</b>	<b>35</b>

**EN 71-2:2020 (E)****European foreword**

This document (EN 71-2:2020) has been prepared by Technical Committee CEN/TC 52 “Safety of toys”, the secretariat of which is held by DS.

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 June 2021, and conflicting national standards shall be withdrawn at the latest by December 2021.

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 supersedes EN 71-2:2011+A1:2014.

Additional information on the background and rationale for various requirements are given in Annex A.

Annex B provides details of significant technical changes between this document and the previous edition.

This document has been prepared under mandate M/445 given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive 2009/48/EC.

For relationship with EU Directive 2009/48/EC, see informative Annex ZA, which is an integral part of this document.

This document constitutes the second part of the EN 71 series of standards on safety of toys.

EN 71, *Safety of toys*, consists of the following parts:

- *Part 1: Mechanical and physical properties*
- *Part 2: Flammability*
- *Part 3: Migration of certain elements*
- *Part 4: Experimental sets for chemistry and related activities*
- *Part 5: Chemical toys (sets) other than experimental sets*
- *Part 7: Finger paints — Requirements and test methods*
- *Part 8: Activity toys for domestic use*
- *Part 9: Organic chemical compounds — Requirements*
- *Part 10: Organic chemical compounds — Sample preparation and extraction*
- *Part 11: Organic chemical compounds — Methods of analysis*
- *Part 12: N-Nitrosamines and N-nitrosatable substances*
- *Part 13: Olfactory board games, cosmetic kits and gustative games*
- *Part 14: Trampolines for domestic use*

NOTE 1 In addition to the above parts of EN 71, the following guidance documents have been published:

- CEN/TR 15071, Safety of toys — National translations of warnings and instructions for use in *EN 71*, and
- CEN/TR 15371 (all parts), *Safety of toys — Interpretations*
- CEN/TR 16918, *Safety of toys - Children's mouthing behaviour in contact with toys*
- CEN ISO/TR 8124-8, *Safety of toys - Age determination guidelines*

NOTE 2 Words in italics are defined in Clause 3 (Terms and definitions).

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

**EN 71-2:2020 (E)****Introduction**

This document aims at reducing, as far as possible, those hazards which are not evident to users; it does not cover inherent hazards that are obvious to children or the persons in charge of them. Assuming that the toys are used in the intended manner, they should not present any further hazard to children for whom they are intended (according to the Directive 2009/48/EC “intended for use by” means that a parent or supervisor shall reasonably be able to assume by virtue of the functions, dimensions and characteristics of a toy that it is intended for use by children of the stated age group). Allowance should also be made for foreseeable use, bearing in mind the behaviour of children who do not generally share the same degree of care as the average adult user.

As a general rule, toys are designed and manufactured for particular ages of children. Their characteristics are related to the age and stage of development of the children, and their use presupposes certain aptitudes.

Accidents are frequently due to a toy either being given to a child for whom it is not intended or being used for a purpose other than that for which it was designed. Great care should therefore be taken when choosing a toy; account should be taken of the mental and physical development of the child who will be using it.

The requirements of this document do not release parents or carers from their responsibility of supervising the child while he or she is playing.

**1 Scope**

This document specifies the categories of flammable materials which are prohibited in all toys, and requirements concerning *flammability* of certain toys when they are subjected to a small source of ignition.

The test methods described in Clause 5 are used for the purposes of determining the *flammability* of toys under the particular test conditions specified. The test results thus obtained are not considered as providing an overall indication of the potential fire hazard of toys or materials when subjected to other sources of ignition.

This document includes general requirements relating to all toys and specific requirements and methods of test relating to the following toys, which are considered as being those presenting the greatest hazard:

- toys to be worn on the head: beards, moustaches, wigs, etc. made from pile or *flowing elements*; masks; hoods, headdresses, etc.; However, paper and paperboard hats without embellishments or attachments are excluded;
- toy *disguise costumes* and toys intended to be worn by a child in play;
- *toys intended to be entered by a child* and constructed from textiles and/or polymer sheets and films;
- *soft-filled toys*.

NOTE Additional requirements for *flammability* of electric toys are specified in EN 62115[2]

**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 ISO 2431:2019, *Paints and varnishes - Determination of flow time by use of flow cups (ISO 2431:2019)*

EN ISO 6941:2003, *Textile fabrics - Burning behaviour - Measurement of flame spread properties of vertically oriented specimens (ISO 6941:2003)*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**