



SLOVENSKI STANDARD
SIST EN 14035-25:2006
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Ognjemet – 25. del: »Party-poppers« – Specifikacija in preskusne metode

Fireworks - Part 25: Party Poppers - Specification and test methods

Feuerwerkskörper - Teil 25: Party-Knaller - Anforderungen und Prüfverfahren

Artifices de divertissement - Partie 25 : Party-Poppers - Spécifications et méthodes d'essai

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Ta slovenski standard je istoveten z: EN 14035-25:2005

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English Version

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und Prüfverfahren

This European Standard was approved by CEN on 12 September 2005.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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Foreword

This European Standard (EN 14035-25:2005) has been prepared by Technical Committee CEN/TC 212 "Fireworks", the secretariat of which is held by NEN.

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of an identical text or by endorsement, at the latest by May 2006, and conflicting national standards shall be withdrawn at the latest by May 2006.

This European Standard is one of a series of standards as listed below.

EN 14035-1, *Fireworks - Part 1: Terminology.*

EN 14035-2, *Fireworks - Part 2: Categorisation.*

EN 14035-3, *Fireworks - Part 3: Aerial wheels - Specification and test methods.*

EN 14035-4, *Fireworks - Part 4: Bangers and banger batteries - Specification and test methods.*

prEN 14035-5, *Fireworks - Part 5: Batteries and combinations - Specification and test methods.*

EN 14035-6, *Fireworks - Part 6: Bengal flames - Specification and test methods.*

EN 14035-7, *Fireworks - Part 7: Bengal matches - Specification and test methods.*

EN 14035-8, *Fireworks - Part 8: Bengal sticks - Specification and test methods.*

EN 14035-9, *Fireworks - Part 9: Crackling granules - Specification and test methods.*

EN 14035-10, *Fireworks - Part 10: Double bangers - Specification and test methods.*

EN 14035-12, *Fireworks - Part 12: Flash bangers and flash banger batteries - Specification and test methods.*

EN 14035-13, *Fireworks - Part 13: Flash pellets - Specification and test methods.*

EN 14035-15, *Fireworks - Part 15: Fountains - Specification and test methods.*

EN 14035-17, *Fireworks - Part 17: Ground spinners - Specification and test methods.*

EN 14035-18, *Fireworks - Part 18: Hand-held fountains - Specification and test methods.*

EN 14035-19, *Fireworks - Part 19: Hand-held sparklers - Specification and test methods.*

EN 14035-20, *Fireworks - Part 20: Jumping crackers - Specification and test methods.*

EN 14035-21, *Fireworks - Part 21: Jumping ground spinners - Specification and test methods.*

EN 14035-22, *Fireworks - Part 22: Mines - Specification and test methods.*

EN 14035-23, *Fireworks - Part 23: Non-hand-held sparklers - Specification and test methods.*

EN 14035-24, *Fireworks - Part 24: Novelty matches - Specification and test methods.*

EN 14035-25, *Fireworks - Part 25: Party poppers - Specification and test methods.*

EN 14035-27, *Fireworks - Part 27: Rockets - Specification and test methods.*

EN 14035-28, *Fireworks - Part 28: Roman candles - Specification and test methods.*

EN 14035-29, *Fireworks - Part 29: Serpents - Specification and test methods.*

prEN 14035-31, *Fireworks - Part 31: Shell-in-mortars - Specification and test methods.*

prEN 14035-33, *Fireworks - Part 33: Spinners - Specification and test methods.*

EN 14035-34, *Fireworks - Part 34: Table bombs - Specification and test methods.*

EN 14035-35, *Fireworks - Part 35: Throwdowns - Specification and test methods.*

EN 14035-36, *Fireworks - Part 36: Wheels - Specification and test methods.*

PrEN 14035-37, *Fireworks - Part 37: Whistlers - Specification and test methods.*

prEN 14035-38, *Fireworks - Part 38: Shot tubes - Specification and test methods.*

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

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1 Scope

This European Standard specifies requirements for the construction, performance, primary packaging and labelling of party poppers and the corresponding test methods. It is applicable to fireworks which are classified as party poppers in category 1 of EN 14035-2 and which are contained in a primary pack.

It is applicable to party poppers which contain up to 10 mg of pyrotechnic composition that is based on potassium chlorate and red phosphorous.

It is not applicable to party poppers containing pyrotechnic composition that includes any of the following substances:

- arsenic or arsenic compounds;
- mixtures containing a mass fraction of chlorates greater than 80 %;
- mixtures of chlorates with metals;
- mixtures of chlorates with potassium hexacyanoferrate(II);
- mixtures of chlorates with sulfur;
- mixtures of chlorates with sulfides;
- lead or lead compounds;
- mercury compounds;
- white phosphorus;
- picrates or picric acid;
- potassium chlorate with a mass fraction of bromates greater than 0,15 %;
- sulfur with an acidity, expressed in mass fraction of sulfuric acid, greater than 0,002 %;
- zirconium with a particle size of less than 40 µm.

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NOTE In EN 14035-2, party poppers are classified as follows:

- brief description: device operated by a pull-string with an abrasive surface in sliding contact with a friction-sensitive pyrotechnic composition and designed to be held in the hand;
- principal effects: report, with ejection of streamers and/or confetti.

Schemes for type testing of party poppers and batch testing of party poppers are specified in annex A and annex B respectively.

2 Normative references

The following referenced documents are indispensable for the application of this European Standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 14035-1:2003, *Fireworks — Part 1: Terminology*.

EN 14035-2, *Fireworks — Part 2: Categorisation*.

EN 20187, *Paper, board and pulps - Standard atmosphere for conditioning and testing and procedure for monitoring the atmosphere and conditioning of samples. (ISO 187:1990)*.

EN 61672-1, *Electroacoustics - Sound level meters - Part 1: Specifications (IEC 61672-1:2002)*.

EN ISO 536, *Paper and board - Determination of grammage. (ISO 536:1995)*.

EN ISO 845, *Cellular plastics and rubbers — Determination of apparent (bulk) density. (ISO 845:1988)*

EN ISO 868, *Plastics and ebonite - Determination of indentation hardness by means of a durometer (Shore hardness) (ISO 868:2003)*.

EN ISO 2439, *Flexible cellular polymeric materials - Determination of hardness (indentation technique) (ISO 2439:1997, including Technical Corrigendum 1:1998)*.

ISO 2859-1, *Sampling procedures for inspection by attributes — Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection*.

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3 Terms and definitions [dc8a11e65dc7/sist-en-14035-25-2006](https://standards.iteh.ai/catalog/standards/sist/a62f977f-938a-46e7-8e79-dc8a11e65dc7/sist-en-14035-25-2006)

For the purposes of this European Standard, the terms and definitions given in EN 14035-1:2003 apply.

4 Construction

4.1 Shape

The shape of the party popper shall be such that it does not resemble a gun.

Conformity to this requirement shall be verified by visual examination.

4.2 Materials of firework case

The body of the firework case shall be made of paper, cardboard or plastics.

Conformity to this requirement shall be verified by visual examination.

4.3 Integrity

There shall be no splits, dents or bulges in the body of the firework case and no holes other than that through which the pull-string passes. There shall be no holes or splits in the closure of the mouth which shall be in place so that it retains the contents.

Conformity to these requirements shall be verified by visual examination.

4.4 Length of pull-string

When measured in accordance with 8.1, the length of the pull-string shall be at least 75 mm.

4.5 Ejected material

When examined in accordance with 8.2, the ejected material shall be made of paper.

5 Performance

5.1 Pull-string

When tested in accordance with 8.2, the pull-string shall not break.

5.2 Principal effects

When tested in accordance with 8.2, the principal effects of the party popper, as given in EN 14035-2, shall be a report with the ejection of streamers and/or confetti.

5.3 Number of reports

When tested in accordance with 8.2, the party popper shall not produce more than one report.

5.4 Sound pressure level

When tested in accordance with 8.2, a party popper shall produce a maximum A-weighted impulse sound pressure level (L_{AImax}) of not higher than 120 dB (AI) at a horizontal distance of 500 mm behind the party popper.

When tested in accordance with 8.2, a party popper shall produce a maximum A-weighted impulse sound pressure level (L_{AImax}) of not higher than 120 dB (AI) lateral to the mouth of the party-popper at a horizontal distance of 500 mm perpendicular to the axis of the centreline of the party popper.

5.5 Burning matter

When tested in accordance with 8.2, the functioning of a party popper shall not cause the test paper to catch fire or any holes to be burnt in the test paper.

When tested in accordance with 8.2, the functioning of a party popper shall not cause the ejected material to catch fire.

5.6 Projected material

When tested in accordance with 8.2, the projected material from a party popper shall not penetrate the test paper.

5.7 Integrity of firework case after functioning

When tested in accordance with 8.2, the firework case shall have no additional holes or splits.

6 Primary pack

The primary pack shall completely enclose the party popper(s). There shall be no holes or splits in the pack, except those which are intended to enable the packaging to be opened and those which are otherwise technically necessary.

Conformity to these requirements shall be verified by visual examination.

7 Minimum labelling requirements

7.1 General

Party poppers and their primary packs shall be marked with the information specified in 7.2 to 7.5 and, if relevant, 7.7 and 7.8.

The specified information shall be given in the language(s) of the country in which the party poppers contained in the primary packs are offered for retail sale. For each language, it shall be presented as a whole and shall not be interrupted by other text. Additional text given in another language shall not conflict with the specified information.

Conformity to the requirements specified in 7.1 to 7.5, 7.6.1, 7.7.2 and 7.8 shall be verified by visual examination.

NOTE Examples of typical labels for bangers, for which many of the marking requirements are similar to those specified for party poppers in this European Standard, are given in EN 14035-4.

7.2 Type name and category

The type name shall be marked, in upper case, as 'PARTY POPPER'. If a trade name is used in addition to the type name, it shall not conflict with the principal effects of a party popper or with the name of another type of firework.

The category shall be marked, in upper case, as 'CATEGORY 1' or 'CAT 1'.

7.3 Safety information

7.3.1 General

Safety information shall be emphasized by use of a heading, or bold type, or similar. If necessary, instructions in addition to those specified in 7.3.2 may be given.

7.3.2 Party poppers

Labelling shall include at least the following safety information in the order as follows:

- 'Keep away from eyes and ears';
- 'Hold at arms length and point base away from body and not towards people';
- 'Pull string firmly and sharply', or

7.4 Name, address and telephone number of manufacturer or distributor or importer

Labelling shall include:

- name or trade mark, the address and the telephone number of the manufacturer; or

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- abbreviation or a code allowing the identification of the manufacturer, and the name or trade mark, the address and the telephone number
 - of his authorized distributor; or
 - if the manufacturer is not established in a CEN member country, of the importer in a CEN member country.

The address shall comprise at least the town and the country. On the party popper at least the abbreviations allowing the identification of

- manufacturer; or
- distributor or importer, with an additional code or abbreviation for the manufacturer

shall be marked.

7.5 Reference to this standard

A party popper shall be marked with 'EN 14035-25'. A primary pack shall be marked with the words 'Contents conform to EN 14035-25'.

7.6 Printing

7.6.1 Labelling

Labelling shall be clearly visible, easily legible, indelible and on a single-colour background.

NOTE Printing errors which are not misleading should not be classified as faults.

7.6.2 Type size

When measured in accordance with 8.3, the type sizes shall be such that the height of the character 'X' (in upper case) is at least 2,8 mm for the information specified in 7.2, 7.3 and 7.8 and at least 2,1 mm for the other information.

7.7 Marking of very small party poppers

7.7.1 Reduced size

If the party popper does not provide enough space for the specified information using the types sizes specified in 7.6.2, for the information specified in 7.2 and 7.3 the type size shall be reduced to 2,1 mm.

7.7.2 Reduced information

If the party popper does not provide enough space to carry all the specified information even in reduced type size, at least the information specified in 7.4 shall be given on the party popper, if at all possible.