

Packaging - Flexible cylindrical plastic tubes -
Dimensions and tolerances

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 13045:2022 sisaldab Euroopa standardi EN 13045:2022 ingliskeelset teksti.	This Estonian standard EVS-EN 13045:2022 consists of the English text of the European standard EN 13045:2022.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.
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English Version

Packaging - Flexible cylindrical plastic tubes - Dimensions and tolerances

Emballage - Tubes cylindriques souples en matériau
plastique - Dimensions et tolérances

Packmittel - Zylindrische Kunststofftuben - Maße und
Grenzabmaße

This European Standard was approved by CEN on 3 July 2022.

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European foreword

This document (EN 13045:2022) has been prepared by Technical Committee CEN/TC 261 “Packaging”, the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by February 2023, and conflicting national standards shall be withdrawn at the latest by February 2023.

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 13045:2009.

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

In comparison with the previous edition, the following technical modifications have been made:

- in Table 1, the length l_1 has been modified for the nominal diameter D : 25 mm, 40 mm and 50 mm;
- in Clause 4, it has been specified that dimensions and tolerances are valid for standard materials with or without barrier layers.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

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1 Scope

This document specifies the diameter, length, wall thickness and shoulder geometry of flexible cylindrical plastic tubes.

It is applicable to tubes used for packing pharmaceutical, cosmetic, hygiene, food and other domestic and industrial products.

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 12374, *Packaging - Flexible tubes - Terminology*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 12374 and the following 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

nominal diameter

D

diameter d_1 of the tube measured at the shoulder

3.2

nominal length

L

measured distance between the shoulder and the open end of the tube

Note 1 to entry: Length l_1 shown in Figure 1.

3.3

thickness of the sleeve

S_1

thickness of the body wall of the tube