



NSAI
Standards

Irish Standard
I.S. EN 13045:2009

Packaging - Flexible cylindrical plastic tubes - Dimensions and tolerances

I.S. EN 13045:2009

Incorporating amendments/corrigenda issued since publication:

<i>This document replaces:</i> I.S. EN 13045:2000	<i>This document is based on:</i> EN 13045:2009 EN 13045:2000	<i>Published:</i> 22 April, 2009 27 October, 2000
This document was published under the authority of the NSAI and comes into effect on: 10 July, 2009		ICS number: 55.120
NSAI 1 Swift Square, Northwood, Santry Dublin 9	T +353 1 807 3800 F +353 1 807 3838 E standards@nsai.ie W NSAI.ie	Sales: T +353 1 857 6730 F +353 1 857 6729 W standards.ie
Price Code: D		
Údarás um Chaighdeáin Náisiúnta na hÉireann		

I.S. EN 13045:2009

EUROPEAN STANDARD

EN 13045

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2009

ICS 55.120

Supersedes EN 13045:2000

English Version

Packaging - Flexible cylindrical plastic tubes - Dimensions and tolerances

Emballage - Tubes souples cylindriques plastiques -
Dimensions et tolérances

Packmittel - Zylindrische Kunststofftuben - Maße und
Grenzabmaße

This European Standard was approved by CEN on 19 March 2009.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents	Page
Foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Dimensions	5

Foreword

This document (EN 13045:2009) 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 October 2009, and conflicting national standards shall be withdrawn at the latest by October 2009.

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

This document supersedes EN 13045:2000.

It is based on the professional recommendations of the European Tube Manufacturers Association (ETMA).

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

1 Scope

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

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

2 Normative references

The following referenced documents are indispensable for the application 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 standard, the terms and definitions in EN 12374 and the following apply:

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 Length l_1 shown in Figure 1.

3.3

thickness of the sleeve, S_1

thickness of the body wall of the tube

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- Looking for additional Standards? Visit Intertek Inform Infostore
 - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-