



**NSAI**  
Standards

Irish Standard  
I.S. EN 1102:2016

Textiles and textile products - Burning  
behaviour - Curtains and drapes - Detailed  
procedure to determine the flame spread of  
vertically oriented specimens

**I.S. EN 1102:2016**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

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SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

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## National Foreword

I.S. EN 1102:2016 is the adopted Irish version of the European Document EN 1102:2016, Textiles and textile products - Burning behaviour - Curtains and drapes - Detailed procedure to determine the flame spread of vertically oriented specimens

This document does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 1102**

August 2016

ICS 13.220.40; 97.160

Supersedes EN 1102:1995

English Version

**Textiles and textile products - Burning behaviour -  
Curtains and drapes - Detailed procedure to determine the  
flame spread of vertically oriented specimens**

Textiles et produits textiles - Comportement au feu -  
Rideaux et tentures - Procédure détaillée pour  
déterminer la propagation de flamme d'éprouvettes  
disposées verticalement

Textilien - Brennverhalten von Vorhängen und  
Gardinen - Detailliertes Verfahren zur Bestimmung der  
Flammenausbreitungseigenschaften vertikal  
angeordneter Proben

This European Standard was approved by CEN on 12 June 2016.

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



EUROPEAN COMMITTEE FOR STANDARDIZATION  
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EUROPÄISCHES KOMITEE FÜR NORMUNG

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

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## **European foreword**

This document (EN 1102:2016) has been prepared by Technical Committee CEN/TC 248 “Textiles and textile products”, the secretariat of which is held by BSI.

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 2017, and conflicting national standards shall be withdrawn at the latest by February 2017.

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 1102:1995.

The ignitability is determined using a modified EN ISO 6941. These modifications are listed in this document.

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

**EN 1102:2016 (E)****1 Scope**

This European Standard specifies a procedure to determine the flame spread of textiles for curtains and drapes by testing a vertically oriented specimen in accordance with EN ISO 6941.

**2 Normative references**

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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

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

ISO 3175 (all parts), *Textiles – Professional care, dry cleaning and wet cleaning of fabrics and garments* <sup>1</sup>

**3 Terms and definitions**

For the purpose of this document, the following terms and definitions apply:

**3.1****attendant fire phenomena**

special phenomena occurring during burning such as flaming debris, darting flames, formation of sparks

**3.2****flaming debris**

material, separating from the specimen during the test procedure, falling below the initial edge of the specimen and igniting a filter paper

**4 Sampling**

Test samples shall be representative of the materials as used in complete curtains and drapes in accordance with the number and the size of the test specimens required as specified in EN ISO 6941.

**5 Cleansing**

The sample shall be submitted to the cleansing procedure given on the care label. If no cleansing procedure is prescribed the material shall be submitted to one cycle of the following standard cleansing procedures as appropriate to the fabric:

- wash procedure in accordance with method 4N (40 ± 3) °C of EN ISO 6330:2012 and dried in accordance with method C (flat dry) of EN ISO 6330:2012;
- dry cleaning procedure in accordance with ISO 3175 (all parts).

If the fabric is not intended to be cleansed the test method shall be carried out on sample and specimens as received.

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<sup>1</sup> Parts 5 & 6 currently under development.



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