



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 1103:2006

ICS 13.220.40
61.020

**TEXTILES - FABRICS FOR APPAREL -
DETAILED PROCEDURE TO DETERMINE THE
BURNING BEHAVIOUR**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 1103

December 2005

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Supersedes EN 1103:1995

English Version

**Textiles - Fabrics for apparel - Detailed procedure to determine
the burning behaviour**

Textiles - Tissus pour habillement - Procédure détaillée
pour la détermination du comportement à la flamme

Textilien - Bekleidungstextilien - Detailliertes Verfahren zur
Bestimmung des Brennverhaltens

This European Standard was approved by CEN on 28 October 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.

CEN members are the national standards bodies of 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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Foreword

This European Standard (EN 1103:2005) 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of an identical text or by endorsement, at the latest by June 2006, and conflicting national standards shall be withdrawn at the latest by June 2006.

This European Standard supersedes EN 1103:1995.

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.

EN 1103:2005 (E)

1 Scope

This European Standard specifies a procedure to determine the burning behaviour of textiles for apparel – other than protective clothing – before and after cleansing, when tested using the surface ignition test in EN ISO 6941.

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 ISO 3175-2, *Textiles — Dry-cleaning and finishing — Part 2: Procedure for tetrachloroethene (ISO 3175-2:1998)*

EN ISO 3175-3, *Textiles — Professional care, drycleaning and wetcleaning of fabrics and garments — Part 3: Procedure for testing performance when cleaning and finishing using hydrocarbon solvent (ISO 3175-3:2003)*

EN ISO 3175-4, *Textiles — Professional care, drycleaning and wetcleaning of fabrics and garments — Part 4: Procedure for testing performance when cleaning and finishing using simulated wetcleaning (ISO 3175-4:2003)*

EN ISO 6330:2000, *Textiles — Domestic washing and drying procedures for textile testing (ISO 6330:2000)*

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

3 Terms and definitions

For the purpose of this European Standard, the terms and definitions given in EN ISO 6941:2003 and the following apply.

3.1

surface flash

rapid spread of flame over the surface of a material without ignition of its basic structure, reaching the first marker thread, which may or may not be severed, or either vertical edge of the test specimen

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 Cleansing (pre-conditioning)

The materials shall be washed once in accordance with the procedure of EN ISO 6330, corresponding to their care labelling.

Materials without care labelling instructions shall be washed once in accordance with EN ISO 6330:2000, procedure 6A at (40 ± 3) °C and dried in accordance with EN ISO 6330:2000, procedure E (tumble-drying). Materials that may not be tumble-dried shall be dried in accordance with procedure A (line dry).

Materials which are labelled as "dry clean only" shall be dry-cleaned once in accordance with the appropriate part of EN ISO 3175 as given in Clause 2.

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