

Cabinet roller towels — Performance requirements and processing

The European Standard EN 13569:2001 has the status of a
British Standard

ICS 59.080.30

National foreword

This British Standard is the official English language version of EN 13569:2001. It supersedes BS 7311-1:1990 and BS 7311-2:1993 which are withdrawn.

The UK participation in its preparation was entrusted to Technical Committee TCI/83, Industrial laundering, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

Cross-references

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This British Standard, having been prepared under the direction of the Sector Policy and Strategy Committee for Materials and Chemicals, was published under the authority of the Standards Policy and Strategy Committee on 28 August 2001

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English version

Cabinet roller towels - Performance requirements and processing

Serviettes textiles essuie-mains en bobine pour distributeur
- Critères de performance et traitement

Rollenhandtücher für Handtuchspender - Anforderungen
und Behandlung

This European Standard was approved by CEN on 10 May 2001.

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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 Management Centre has the same status as the official versions.

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Foreword

This European Standard 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of an identical text or by endorsement, at the latest by January 2002, and conflicting national standards shall be withdrawn at the latest by January 2002.

Anexes A, B, C, D and E are for information only.

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

1 Scope

This Standard specifies requirements for the following:

- a) Three categories of cabinet towel, the categories being defined in terms of mass per unit area and tensile strength of the fabric; certain constructional and performance requirements are also covered.
- b) Process validation procedures to ensure that cabinet towels achieve the condition of hygienic cleanliness in processing.

It also contains informative annexes containing the following:

- an example of suitable fabric structure,
- recommendations for the care, use and transportation of cabinet towels after processing,
- examples of key process variables for disinfection,
- the preparation and application of bioindicators for the validation of the process to achieve hygienic cleanliness.

The colour fastness to washing test and the requirement level are based on the assumption that chlorine bleaching treatments will not be used in laundering.

2 Normative references

This European Standard incorporates by dated or undated reference provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 1413, *Textiles — Determination of pH of aqueous extract*

EN 1644-1 :1997, *Test methods for nonwoven compresses for medical use — Part 1: Nonwovens used in the manufacture of compresses*

EN 1773, *Textile - Fabrics — Determination of width and length*

EN 12127, *Textiles — Fabrics — Determination of mass per unit area using small samples*

EN ISO 105-X12, *Textiles — Tests for colour fastness — Part X12: Colour fastness to rubbing (ISO 105-X12:1993)*

EN ISO 13934-1, *Textiles — Tensile properties of fabrics — Part 1 : Determination of maximum force and elongation at maximum force using the strip method (ISO 13934-1 :1999)*

EN 20105-CO4, *Textiles — Tests for colour fastness — Part C04: Colour fastness to washing: Test 4 (ISO 105-C04:1989)*

ISO 5351-1, *Cellulose in dilute solutions — Determination of limiting viscosity number — Part 1: Method in cupri-ethylene-diamine (CED) solution*

ISO 7771, *Textiles — Determination of dimensional changes of fabrics induced by cold-water immersion*

3 Terms and definitions

For the purposes of this standard, the following terms and definitions apply.

3.1

cabinet roller towel

reusable textile fabric rolls manufactured for use in particular types of towel dispenser unit so that a clean length of towelling is provided, either automatically or through manual action, for the purpose of drying the hands of the user

4 Characteristics of the towel

4.1 Functional characteristics

4.1.1 General

The functional characteristics are dictated by the requirements of rolling and unrolling the towel in the dispenser and of the wiping and drying of the hands.

4.1.2 Strength and selvages

The towel needs to have sufficient strength (see Table 1) to withstand the pulling action exerted when the towel is rolled and unrolled as well as when the hands are wiped and dried by the user. Selvages need to be constructed so the towel rolls and unrolls correctly within the dispenser for which it is designed (See 4.2.2.2).

4.1.3 Wiping function

In order to wipe the hands effectively the towel needs to be readily moulded by the hands and fingers, exert sufficient friction to feel comfortable when in contact with the skin, and present an irregular surface to improve the removal of residual substances from the hands. These attributes can only be assessed subjectively.