



NSAI
Standards

Irish Standard
I.S. EN ISO 3175-1:2010

Textiles - Professional care, drycleaning and wetcleaning of fabrics and garments - Part 1: Assessment of performance after cleaning and finishing (ISO 3175-1:2010)

I.S. EN ISO 3175-1:2010

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English Version

**Textiles - Professional care, drycleaning and wetcleaning of
fabrics and garments - Part 1: Assessment of performance after
cleaning and finishing (ISO 3175-1:2010)**

Textiles - Entretien professionnel, nettoyage à sec et
nettoyage à l'eau des étoffes et des vêtements - Partie 1:
Évaluation de la résistance après le nettoyage et la finition
(ISO 3175-1:2010)

Textilien - Fachgerechte Pflege, Chemischreinigung und
Nassreinigung von textilen Flächengebilden und
Kleidungsstücken - Teil 1: Leistungsbewertung nach
Reinigung und Nachbearbeitung (ISO 3175-1:2010)

This European Standard was approved by CEN on 6 February 2010.

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Foreword

This document (EN ISO 3175-1:2010) has been prepared by Technical Committee ISO/TC 38 "Textiles" in collaboration with 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of an identical text or by endorsement, at the latest by September 2010, and conflicting national standards shall be withdrawn at the latest by September 2010.

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.

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I.S. EN ISO 3175-1:2010
**INTERNATIONAL
STANDARD**

**ISO
3175-1**

Second edition
2010-03-01

**Textiles — Professional care, drycleaning
and wetcleaning of fabrics and
garments —**

Part 1:
**Assessment of performance after
cleaning and finishing**

*Textiles — Entretien professionnel, nettoyage à sec et nettoyage à l'eau
des étoffes et des vêtements —*

Partie 1: Évaluation de la résistance après le nettoyage et la finition



Reference number
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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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ISO 3175-1 was prepared by Technical Committee ISO/TC 38, *Textiles*, Subcommittee SC 2, *Cleansing, finishing and water resistance tests*.

This second edition cancels and replaces the first edition (ISO 3175-1:1998), of which it constitutes a minor revision. It also incorporates Technical Corrigendum ISO 3175-1:1998/Cor.1:2002.

ISO 3175 consists of the following parts, under the general title *Textiles — Professional care, drycleaning and wetcleaning of fabrics and garments*:

- *Part 1: Assessment of performance after cleaning and finishing*
- *Part 2: Procedure for testing performance when cleaning and finishing using tetrachloroethene*
- *Part 3: Procedure for testing performance when cleaning and finishing using hydrocarbon solvents*
- *Part 4: Procedure for testing performance when cleaning and finishing using simulated wetcleaning*

Introduction

Drycleaning is a process for cleaning textiles in an organic solvent that dissolves oils and fats and disperses particulate dirt substantially without the swelling and creasing associated with washing or wetcleaning. Small quantities of water may be incorporated in the solvent with the aid of a surfactant for the purpose of obtaining better soil and stain removal. Some moisture-sensitive articles are preferably drycleaned without the addition of water to the solvent. A surfactant is often used to assist with soil removal and reduce the risk of greying, but it should be borne in mind that surfactants contain varying amounts of water in their formulations.

Drycleaning is normally followed by an appropriate restorative finishing procedure. In most cases, this comprises some form of steam treatment and/or hot pressing.

Properties of the textile or garment may change progressively on drycleaning and steaming and/or pressing and, in some cases, a single treatment can give little indication of the extent of dimensional and other changes that can arise after repeated treatments and which can affect the useful life of the article. Generally, most of the potential changes become apparent after three to five of the drycleaning and finishing treatments specified in ISO 3175-2.

Textiles — Professional care, drycleaning and wetcleaning of fabrics and garments —

Part 1: Assessment of performance after cleaning and finishing

1 Scope

This part of ISO 3175 specifies a method for assessing textile articles which have been tested according to ISO 3175-2.

Fabric and garment properties, which can change on drycleaning and finishing, are identified and methods for assessing change using existing International Standards are given as appropriate. Other properties which are also important, but for which there are no International Standards providing methods of assessment, are indicated in Annex A, together with advice on how to proceed on their assessment.

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.

ISO 105-A02, *Textiles — Tests for colour fastness — Part A02: Grey scale for assessing change in colour*

ISO 105-A03, *Textiles — Tests for colour fastness — Part A03: Grey scale for assessing staining*

ISO 105-D01, *Textiles — Tests for colour fastness — Part D01: Colour fastness to dry-cleaning using perchloroethylene solvent*

ISO 105-E07, *Textiles — Tests for colour fastness — Part E07: Colour fastness to spotting: Water*

ISO 105-F10, *Textiles — Tests for colour fastness — Part F10: Specification for adjacent fabric: Multifibre*

ISO 139, *Textiles — Standard atmospheres for conditioning and testing*

ISO 3175-2, *Textiles — Professional care, drycleaning and wetcleaning of fabrics and garments — Part 2: Procedure for testing performance when cleaning and finishing using tetrachloroethene*

ISO 3759, *Textiles — Preparation, marking and measuring of fabric specimens and garments in tests for determination of dimensional change*

ISO 4920, *Textiles — Determination of resistance to surface wetting (spray test) of fabrics*

ISO 7768, *Textiles — Test method for assessing the smoothness appearance of fabrics after cleansing*

ISO 7769, *Textiles — Test method for assessing the appearance of creases in fabrics after cleansing*

ISO 7770, *Textiles — Test method for assessing the smoothness appearance of seams in fabrics after cleansing*

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