International Standard

ISO 16847

Textiles — Test method for assessing the matting appearance of napped fabrics after cleansing

Textiles — Méthode d'essai pour l'évaluation de l'aspect du moutonnement des étoffes grattées après nettoyage

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Foreword

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This document 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 16847:2016), which has been technically revised.

The main changes are as follows:

— the definition of “napped fabric” (3.1) has been added (and the former 3.1 has been renumbered as 3.2);

— a new subclause 7.11 has been added to introduce the possibility of using photographic rating standards;

— in Clause 9, the test report has been updated, including the introduction of the possibility to use photographic rating standards in items e) and h).

Any feedback or questions on this document should be directed to the user’s national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Introduction

With use, the surface of napped fabrics changes significantly. This change in appearance, known as matting, is more or less severe and is related to the fibre, fabric or finishing characteristics.

Based on the structure of other ISO standards dealing with the change in appearance after cleansing, this document has been elaborated to solve this situation.

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Textiles — Test method for assessing the matting appearance of napped fabrics after cleansing

1 Scope

This document specifies a method for assessing the matting appearance of the napped fabrics (fleece fabrics) tested, after one or several cleansing treatments.

This method has been developed for use primarily with Type B domestic washing machines, as defined in ISO 6330, in the cleansing process. However, it is possible to use it with Type A machines, as defined in ISO 6330. This test method can be used for judging matting appearance after other cleansing processes.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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-A03, *Textiles — Tests for colour fastness — Part A03: Grey scale for assessing staining*

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

ISO 3175 (all parts), *Textiles — Professional care, drycleaning and wetcleaning of fabrics and garments*

ISO 6330, *Textiles — Domestic washing and drying procedures for textile testing*

ISO 15797, *Textiles — Industrial washing and finishing procedures for testing of workwear*

3 Terms and definitions

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp/ui/

— IEC Electropedia: available at https://www.electropedia.org/

3.1
napped fabric
fabric with raised surface of fibres on one or both sides of it

EXAMPLE Fleece fabric, fake fur, velvet, suede, flannel.

Note 1 to entry: Raised fibres are often referred to as “nap”.

3.2
matting
disorientation of the raised fibres of a *napped fabric* (3.1), which produces a visible surface change

Note 1 to entry: See Figure 1.

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