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Silk — Test method for determining the size of silk yarns

Soie — Méthode d'essai pour déterminer le titre des fils de soie

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Foreword

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 38, *Textiles*, Subcommittee SC 23, *Fibres and yarns*.

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.

Introduction

Silk yarns are made of natural silk fibres, including raw silk, tussah silk, dupion silk, thrown silk, etc. Due to the intrinsic unevenness of the property of silk fibres and its manufacturing technique differing from yarns made of staple fibres, the size (linear density) deviation of the silk yarns, such as raw silk reeled from cocoon baves, is much bigger than that of the conventional yarns covered by ISO 2060. Therefore, when measuring the size of silk yarns, the sample quantity, sample length, test device, drying temperature, test items, calculation method of the results and tolerance for weighing errors are all different from that for the conventional yarns. These special requirements are not prescribed in ISO 2060. This document covers special size test regulations for silk yarns which are not covered by ISO 2060.

Silk — Test method for determining the size of silk yarns

1 Scope

This document specifies the test method for determining the size of silk yarns in all types of package forms.

It is applicable to various kinds of silk yarns.

It is not applicable to spun silk yarns.

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

ISO 6741-1:1989, *Textiles — Fibres and yarns — Determination of commercial mass of consignments — Part 1: Mass determination and calculations*

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

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

3.1
silk yarn
yarn made of nature silk fibres, including raw silk, tussah silk, dupion silk, thrown silk

3.2
thrown silk
silk that has been twisted or doubled and twisted

3.3
size
linear density (mass per unit length) of silk yarns

Note 1 to entry: Size expresses the degree of coarseness or fineness of silk yarns.

Note 2 to entry: Size is expressed in dtex. It may also be expressed in deniers (den), for which the conversion from dtex, as given in ISO 1144[1], is 1 den = 0,9 dtex.

3.4
nominal size
size indicated by the manufacturer

3.5
average size
average value of the tested size of the sizing skeins