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Wool - Determination of fibre diameter - Projection microscope method (ISO 137:2015)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 03/16

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English Version

**Wool - Determination of fibre diameter - Projection
microscope method (ISO 137:2015)**Laine - Détermination du diamètre des fibres -
Méthode du microscope à projection (ISO 137:2015)Wolle - Bestimmung des Faserdurchmessers -
Mikroskop-Projektionsverfahren (ISO 137:2015)

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Contents

Page

European foreword	3
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European foreword

This document (EN ISO 137:2015) 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of an identical text or by endorsement, at the latest by June 2016, and conflicting national standards shall be withdrawn at the latest by June 2016.

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Endorsement notice

The text of ISO 137:2015 has been approved by CEN as EN ISO 137:2015 without any modification.

**Wool — Determination of fibre
diameter — Projection microscope
method**

*Laine — Détermination du diamètre des fibres — Méthode du
microscope à projection*





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Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	1
5 Apparatus	2
6 Sampling and preparation of the test specimens	5
6.1 Raw wool.....	5
6.2 Slivers, rovings and yarns.....	5
6.3 Cutting of snippets.....	5
6.3.1 Using a fibre holder and pusher.....	5
6.3.2 Using a microtome.....	5
6.4 Mounting of test specimen.....	5
7 Test procedure	6
7.1 General.....	6
7.2 Examination of the test specimen.....	6
7.3 Focusing.....	7
7.4 Measuring the width of a fibre image.....	7
7.5 Recording of measurements.....	8
8 Measurement procedure	8
9 Calculation and expression of results	8
10 Test report	9
Annex A (informative) Example of calculation	10
Annex B (informative) Accuracy of results and confidence limits for mean	12
Bibliography	13

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.

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/TC 38, *Textiles*, Subcommittee SC 23, *Fibres and yarns*.

This second edition cancels and replaces the first edition (ISO 137:1975), which has been technically revised.

This second edition to ISO 137 is based on the test method IWTO-8:2011, drawn up by the International Wool Textile Organization (IWTO).

Wool — Determination of fibre diameter — Projection microscope method

1 Scope

This International Standard specifies the procedure and the measurement conditions for the determination of the wool fibre diameter using a projection microscope.

The method is suitable for wool fibres in any form and also for other fibres of reasonably circular cross-section. (In the case of dyed, bleached or finished fibres, the diameter might be different from that of fibres not subjected to such treatments. The estimates of fibre diameter obtained at the various stages of processing one lot of wool will not necessarily be the same.)

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 1130:1975, *Textile fibres — Some methods of sampling for testing*

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