ICS 59.080.30 SLOVENSKÁ TECHNICKÁ NORMA September 2025

STN	**Textílie Skúšobné metódy na netkané textílie Časť 5: Odolnosť proti mechanickému prieniku (postup pretrhnutia guľôčkou) (ISO 9073-5: 2025)**	**STN EN ISO 9073-5** 80 6201

Nonwovens - Test methods - Part 5: Determination of resistance to mechanical penetration (ball burst procedure) (ISO 9073-5:2025)

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. 08/25

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English Version

Nonwovens - Test methods - Part 5: Determination of resistance to mechanical penetration (ball burst procedure) (ISO 9073-5:2025)

Nontissés - Méthodes d'essai - Partie 5: Détermination de la résistance à la pénétration mécanique (méthode d'éclatement à la bille) (ISO 9073-5:2025)

Vliesstoffe - Prüfverfahren - Teil 5: Bestimmung des Widerstandes gegen mechanische Durchdringung (Kugeldruckversuch) (ISO 9073-5:2025)

This European Standard was approved by CEN on 25 April 2025.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (EN ISO 9073-5:2025) 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of an identical text or by endorsement, at the latest by October 2025, and conflicting national standards shall be withdrawn at the latest by October 2025.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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Endorsement notice

The text of ISO 9073-5:2025 has been approved by CEN as EN ISO 9073-5:2025 without any modification.

International Standard

ISO 9073-5

Nonwovens — Test methods —

Part 5: Determination of resistance to mechanical penetration (ball burst procedure)

Nontissés — Méthodes d'essai —

Partie 5: Détermination de la résistance à la pénétration mécanique (méthode d'éclatement à la bille)

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of 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 www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 38, *Textiles,* in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 248, *Textiles and textile products,* in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 9073-5:2008), which has been technically revised.

The main changes are as follows:

— the title has been changed from *"Textiles — Test methods for nonwovens — Part 5: Determination of resistance to mechanical penetration (ball burst procedure)"* to *"Nonwovens — Test methods — Part 5 Determination of resistance to mechanical penetration (ball burst procedure)";*

— Clause 1, the scope has been corrected;

— Clause 2, the normative references have been updated;

— a sentence regarding to SI values has been added in Clause 7.

A list of all parts in the ISO 9073 series can be found on the ISO website.

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.

International Standard **ISO 9073-5:2025(en)**

Nonwovens — Test methods —

Part 5: Determination of resistance to mechanical penetration (ball burst procedure)

1 Scope

This document specifies a method for determining the resistance to mechanical penetration of nonwoven fabrics by a ball of a given diameter.

The method is primarily designed to be used on nonwovens with some degree of elasticity, for which a regular burst test does not apply.

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

ISO 186, *Paper and board — Sampling to determine average quality*

ISO 9092, *Nonwovens — Vocabulary*

ISO 10012:2003, *Measurement management systems — Requirements for measurement processes and measuring equipment*