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## **Textiles — Test methods for nonwovens —**

Part 18:

### **Determination of breaking strength and elongation of nonwoven materials using the grab tensile test**

*Textiles — Méthodes d'essai pour nontissés —*

*Partie 18: Détermination de la résistance à la rupture et de  
l'allongement de matériaux nontissés par l'essai de traction à  
l'arrachement*



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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.

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

ISO 9073-18 was prepared by Technical Committee ISO/TC 38, *Textiles*.

ISO 9073 consists of the following parts, under the general title *Textiles — Test methods for nonwovens*:

- *Part 1: Determination of mass per unit area*
- *Part 2: Determination of thickness*
- *Part 3: Determination of tensile strength and elongation*
- *Part 4: Determination of tear resistance*
- *Part 5: Resistance to mechanical penetration (ball burst procedure)*
- *Part 6: Absorption*
- *Part 7: Determination of bending length*
- *Part 8: Determination of liquid strike-through time (simulated urine)*
- *Part 9: Evaluation of drapability including drape*
- *Part 10: Lint and other particles generation in the dry state*
- *Part 11: Run-off*
- *Part 12: Demand absorbency*
- *Part 13: Repeated liquid strike-through time*
- *Part 14: Coverstock wetback*
- *Part 15: Determination of air permeability*
- *Part 16: Determination of resistance to penetration by water (hydrostatic pressure)*

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- *Part 17: Determination of water penetration (spray impact)*
- *Part 18: Determination of breaking strength and elongation of nonwoven materials using the grab tensile test*