INTERNATIONAL STANDARD

ISO 18695

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Textiles — Determination of resistance to water penetration — Impact penetration test

Textiles — Détermination de la résistance à la pénétration de l'eau — Essai de pénétration par impact

Reference number
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Foreword

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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 18695 was prepared by Technical Committee ISO/TC 38, *Textiles*, Subcommittee SC 2, *Cleansing, finishing and water resistance tests*.

Textiles — Determination of resistance to water penetration — Impact penetration test

1 Scope

This International Standard is applicable to any textile fabric, which may or may not have been given a water-resistant or water-repellent finish. It measures the resistance of fabrics to the penetration of water by low impact, and thus can be used to predict the probable rain penetration resistance of apparel fabrics. The test is best suited for fabrics of medium to loose construction where the Bundesmann rain-shower test (ISO 9865), or Rain Test (ISO 22958) is too severe. Fabrics that do not lie flat under tension are not applicable.

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*

3 Terms and definitions

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

3.1
water resistance
characteristic of resisting wetting and penetration by water

4 Principle

A volume of water is allowed to spray from a height of (610 ± 10) mm against a taut surface of a test specimen backed by a weighed blotter. The blotter is then reweighed to determine water penetration and the specimen is classified accordingly.

5 Safety Precautions

Good laboratory practises should be followed. Wear safety glasses in all laboratory areas.

NOTE These safety precautions are for information purposes only. The precautions are ancillary to the testing procedures and are not intended to be all inclusive. It is the user's responsibility to use safe and proper techniques in handling materials in this International Standard. Manufacturers should be consulted for specific detail such as material safety sheets and other manufacturer's recommendations.