INTERNATIONAL STANDARD

ISO
5473

Second edition
1997-02-15

Rubber- or plastics-coated fabrics — Determination of crush resistance

Supports textiles revêtus de caoutchouc ou de plastique — Détermination de la résistance à l'écrasement

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.

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.

International Standard ISO 5473 was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*.

This second edition cancels and replaces the first edition (ISO 5473:1979), which has been technically revised.

Rubber- or plastics-coated fabrics — Determination of crush resistance

WARNING — Persons using this International Standard should be familiar with normal laboratory practice. This standard does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and to ensure compliance with any national regulatory conditions.

1 Scope

This International Standard specifies a method for determining the crush resistance of fabrics coated with rubber or plastics.

The method is applicable particularly to diaphragm material cut from coated fabrics.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 2231:1989, *Rubber- or plastics-coated fabrics — Standard atmospheres for conditioning and testing.*

ISO 2286-1:—[1], *Rubber- or plastics-coated fabrics — Determination of roll characteristics — Part 1: Method for determination of the length, width and net mass of a roll.*

3 Principle

The coated fabric is subjected to a controlled load application over a known area until the fabric is crushed.

4 Apparatus

4.1 Base plate, having the dimensions shown in figure 1.

4.2 Load button assembly, having the dimensions shown in figure 2.

4.3 Compression-testing machine, having a speed of approximately 0,08 mm/s.

Any type of machine that will meet this requirement may also be used. For example, a platform scale equipped with a yoke over the platform and a hand-operated screw to apply the force will serve if it conforms to the requirements prescribed for accuracy and speed.

The load source shall have a total capacity of at least 5 400 N.

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1) To be published. (Revision, in parts, of ISO 2286:1986)