

FINAL  
DRAFT

AMENDMENT

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## Textiles — Determination of the elasticity of fabrics —

### Part 1: Strip tests

#### AMENDMENT 1

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*Textiles — Détermination de l'élasticité des étoffes —  
Partie 1: Essais sur bande*  
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AMENDEMENT 1

[ISO 20932-1:2018/FDAmd 1](https://standards.iteh.ai/catalog/standards/sist/5aaca47b-f896-43c1-917b-838033cd9676/iso-20932-1-2018-fdamd-1)

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This document was prepared by Technical Committee ISO/TC 38, *Textiles*, Subcommittee SC 24, *Conditioning atmospheres and physical tests for textile fabrics*, 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).

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# Textiles — Determination of the elasticity of fabrics —

## Part 1: Strip tests

### AMENDMENT 1

#### 3.19

Replace the definition and note to entry with the following:

ratio of recovered extension of the test specimen after cycling (to a specified force or specified extension) to its initial length

Note 1 to entry The recovered elongation is the complement of the *permanent deformation* (3.18) to the *elongation* (3.11).

Note 2 to entry Recovered elongation is expressed as a percentage.

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#### 9.1.12

Replace the sentence with the following: <https://standards.iteh.ai/catalog/standards/sist/5aaca47b-f896-43c1-917b-838635cd5678/iso-20932-1-2018-fdam-1>

Set the extension and retraction rate of the specimen at 100 % of the initial length per minute. It means that, for examples, if the initial length is 100 mm, set up the rate at 100 mm/min; if the initial length is 200 mm, set up the rate at 200 mm/min.

#### Clause 11, a)

Replace item a) with the following:

- a) Elongation,  $S_{\%}$ , expressed as a percentage, as shown in Formula (1):

$$S_{\%} = 100 \times \frac{E}{P} \quad (1)$$

where

$E$  is the extension (mm), increase in length of the initial distance (mm) between applied reference marks at maximum force on the fifth cycle; or, in case a pretension is used, increase in length of the clamp distance (mm) from the initial length (mm) at maximum force on the fifth cycle;

$P$  is the initial distance (mm) between applied reference marks; or, in case a pretension is used, the initial length (mm).

Clause 11, d)

Replace item d) with the following:

- d) Permanent deformation,  $C$ , expressed as a distance, and permanent deformation  $C_{\%}$ , expressed as a percentage, as shown in Formula (4) and in Formula (5), respectively:

$$C = Q - P \quad (4)$$

$$C_{\%} = 100 \times \frac{Q - P}{P} \quad (5)$$

where

$Q$  is the distance (mm) between applied reference marks after the measurement and specified recovery period; or, in case a pretension is used, the final clamp distance (mm) at pretension after a specified recovery period;

$P$  is the initial distance (mm) between applied reference marks; or, in case a pretension is used, the initial length (mm)."

Clause 11, e)

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Replace item e) with the following: (standards.iteh.ai)

- e) Recovered extension,  $D$ , expressed as a distance, and recovered elongation  $D_{\%}$ , expressed as a percentage, as shown in Formula (6) and in Formula (7), respectively:

$$D = E - C \quad (6)$$

$$D_{\%} = 100 \times \frac{E - C}{P} \quad (7)$$

where

$E$  is the extension (mm) as measured in 11, a);

$C$  is the permanent deformation (mm) as calculated in 11, d);

$P$  is the initial distance (mm) between applied reference marks; or, in case a pretension is used, the initial length (mm).

Clause 11, f)

Replace item f) with the following:

f) Elastic recovery,  $R$ , expressed as a distance, and elastic recovery  $R_{\%}$ , expressed as percentage as shown in Formula (8) and in Formula (9), respectively:

$$R = (P + E) - Q = E - (Q - P) = E - C \quad (8)$$

$$R_{\%} = 100 \times \frac{E - C}{E} = 100 \times \left( 1 - \frac{C}{E} \right) \quad (9)$$

where

$E$  is the extension (mm) as measured in 11, a);

$C$  is the permanent deformation (mm) as calculated in 11, d).

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