DRAFT AMENDMENT

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Textiles — Determination of the elasticity of fabrics —

Part 1:
Strip tests

AMENDMENT 1

Textiles — Détermination de l'élasticité des étoffes —

Partie 1: Essais sur bande

AMENDEMENT 1

ICS: 59.080.30

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

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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*.

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Textiles — Determination of the elasticity of fabrics —

Part 1:
Strip tests

AMENDMENT 1

1 Modification to 3.19.

Replace

"complement of *permanent deformation* (3.18) to 100 %

Note 1 to entry Recovered elongation is expressed as a percentage."

with

"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."

2 Modification to Clause 11, a).

Replace

"a) Elongation, S, expressed as a percentage, as shown in Formula (1):

$$S = \frac{E}{L} \times 100 \quad (1)$$

where

E is the extension (mm) at maximum force on the fifth cycle;

L is the initial length (mm). "

with

"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) 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."

3 Modification to Clause 11, d).

Replace

"d) Permanent deformation, *C*, expressed as a percentage, as shown in Formula (4):

$$C = \frac{Q - P}{P} \times 100 \quad (4)$$

where

Q is the distance between applied reference marks; or, in case a pretension is used, the permanent deformation (mm) 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. "

with

"d) Permanent deformation, *C*, expressed as a distance, and $C_{\%}$, 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 between applied reference marks; or, in case a pretension is used, the permanent deformation (mm) 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. "

4 Modification to Clause 11, e).

Replace

"e) Recovered elongation, *D*, expressed as a percentage, as shown in Formula (5):

$$D = (100 - C) \quad (5)"$$

with

"d) 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) at maximum force on the fifth cycle;

C is the permanent deformation (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. "

5 Modification to Clause 11, f).

Replace

"f) Elastic recovery, *R*, expressed as a percentage, as shown in Formula (6):

$$R = \frac{D}{S} \times 100 \qquad (6)$$ "

with

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

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

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

where

E is the extension (mm) at maximum force on the fifth cycle;

C is the permanent deformation (mm) at maximum force on the fifth cycle."