

# DRAFT AMENDMENT

## ISO 20932-1:2018/DAM 1

ISO/TC 38/SC 24

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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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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):

$$C = \frac{Q - P}{P} \times 100 \tag{4}$$

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:

$$C = Q - P \tag{4}$$

$$C_{\%} = 100 \times \frac{Q - P}{P} \tag{5}$$

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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):

$$D = (100 - C) \tag{5}”$$

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:

$$D = E - C \tag{6}$$

$$D_{\%} = 100 \times \frac{E - C}{P} \tag{7}$$

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):

$$R = \frac{D}{S} \times 100 \quad (6)''$$

*with*

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

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

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

where

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

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

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