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Canadian General Standards Board  
Office des normes  
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Series 4  
Série des 4

## WITHDRAWAL

December 2018

### Selected standards in the series Textiles

These National Standards of Canada are hereby withdrawn due to limited use and support for their revision.

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## RETRAIT

Décembre 2018

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**CAN/CGSB-4.31-2014**

Terry towels and towelling (ICS 59.080.30)

**CAN/CGSB-4.69-2014**

Terry washcloths (ICS 97.160)

**CAN/CGSB-4.117-2014**

Polyester/cotton plain fabric (105 g/m<sup>2</sup>, 150 g/m<sup>2</sup> and 170 g/m<sup>2</sup>) (ICS 59.080.30)

**CAN/CGSB-4.141-2014**

Polyester/cotton twill fabric (170 g/m<sup>2</sup> and 245 g/m<sup>2</sup>) (ICS 59.080.30)

**CAN/CGSB-4.157-2014**

Generic names for man-made fibres (ICS 59.060.20)

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**CAN/CGSB-4.31-2014**

Serviettes et essuie-mains en tissu éponge, sur rouleau (ICS 59.080.30)

**CAN/CGSB-4.69-2014**

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**CAN/CGSB-4.117-2014**

Tissu de polyester et coton, armure unie (105 g/m<sup>2</sup>, 150 g/m<sup>2</sup> et 170 g/m<sup>2</sup>) (ICS 59.080.30)

**CAN/CGSB-4.141-2014**

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Noms génériques des fibres chimiques (ICS 59.060.20)



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**CAN/CGSB-4.117-2014**

Supersedes CAN/CGSB-4.117-2001

# Polyester/cotton plain fabric (105 g/m<sup>2</sup>, 150 g/m<sup>2</sup> and 170 g/m<sup>2</sup>)

ICS 59.080.30



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**Polyester/cotton plain fabric (105 g/m<sup>2</sup>, 150 g/m<sup>2</sup>  
and 170 g/m<sup>2</sup>)**

CETTE NORME NATIONALE DU CANADA EST DISPONIBLE EN VERSIONS  
FRANÇAISE ET ANGLAISE.

Prepared by the  
**Canadian General Standards Board** 

Approved by the  
 Standards Council of Canada  
Conseil canadien des normes

Published May 2014 by the  
**Canadian General Standards Board**  
Gatineau, Canada K1A 1G6

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Withdrawn

# Polyester/cotton plain fabric (105 g/m<sup>2</sup>, 150 g/m<sup>2</sup> and 170 g/m<sup>2</sup>)

## 1 Scope

This National Standard of Canada applies to fabric of three different masses per unit area (105 g/m<sup>2</sup>, 150 g/m<sup>2</sup> and 170 g/m<sup>2</sup>) made from yarns that are a blend of 65% polyester and 35% cotton.

The testing and evaluation of a product against this standard may require the use of materials and/or equipment that could be hazardous. This standard does not purport to address all the safety aspects associated with its use. Anyone using this standard has the responsibility to consult the appropriate authorities and to establish appropriate health and safety practices in conjunction with any applicable regulatory requirements prior to its use.

## 2 Normative references

The following normative documents contain provisions that, through reference in this text, constitute provisions of this National Standard of Canada. The referenced documents may be obtained from the sources noted below.

NOTE The addresses provided below were valid at the date of publication of this standard.

An undated reference is to the latest edition or revision of the reference or document in question, unless otherwise specified by the authority applying this standard. A dated reference is to the specified revision or edition of the reference or document in question. However, parties to agreements based on this National Standard of Canada are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below.

### 2.1 Canadian General Standards Board (CGSB)

CAN/CGSB-4.2 — *Textile test methods:*

No. 4.1/ISO 22198 — *Textiles — Fabrics — Determination of width and length*

No. 5.1 — *Unit mass of fabrics*

No. 6/ISO 7211/2 — *Textiles — Woven fabrics — Construction — Methods of analysis — Part 2: Determination of number of threads per unit length*

No. 9.2 — *Breaking strength of fabrics — Grab method — Constant-time-to-break principle*

No. 14 — *Quantitative analysis of fibre mixtures*

No. 15 — *Non-fibrous materials on textiles*

No. 18.3/ISO 105-B02 — *Textiles — Tests for colourfastness — Part B02: Colourfastness to artificial light: Xenon arc fading lamp test*

No. 19.1 — *Colourfastness to washing — Accelerated test — Launder-ometer*

No. 22 — *Colourfastness to rubbing (crocking)*

No. 23 — *Colourfastness to perspiration*



No. 45 — *Textile fabrics — Determination of the recovery from creasing of a horizontally folded specimen by measuring the angle-of-recovery*

No. 51.2 — *Resistance to Pilling — Random Tumble Pilling Tester*

No. 58 — *Dimensional change in domestic laundering of textiles*

No. 63.5/ISO 14184-2 — *Textiles — Determination of formaldehyde — Part 2: Released formaldehyde (Vapour absorption method)*.

### 2.1.1 Source

The above may be obtained from the Canadian General Standards Board, Sales Centre, Gatineau, Canada K1A 1G6. Telephone 819-956-0425 or 1-800-665-2472. Fax 819-956-5740. E-mail ncr.cgsb-ongc@tpsgc-pwgsc.gc.ca. Web site [www.tpsgc-pwgsc.gc.ca/ongc-cgsb](http://www.tpsgc-pwgsc.gc.ca/ongc-cgsb).

## 3 General requirements

3.1 Material covered by this standard shall be free from imperfections and blemishes that may adversely affect its appearance or serviceability.

## 4 Detailed requirements

### 4.1 Fabric

When tested in accordance with the specified test methods, the fabric, yarns and weave shall comply with the requirements (and other fabric requirements) listed in Tables 1 to 3.

### 4.2 Yarn

The yarn shall be the intimate blend yarn only in both warp and weft.

### 4.3 Colour

The colour shall be in accordance with the sealed sample, unless otherwise specified (see 7.1).

### 4.4 Finish

The finish shall be in accordance with the sealed sample, unless otherwise specified (see 7.1).

### 4.5 Piece length

Unless otherwise specified (see 7.1), the fabric shall be delivered in length of approximately 100 m with no more than two lengths per piece, the shorter of which shall not be less than 20 m.

## 5 Preparation for delivery

### 5.1 Piece marking

Each piece shall have a ticket attached to one end of the selvage. The ticket shall be made of linen or heavy cardboard, with a reinforced eyelet for attaching a cord, and shall be legibly printed with the following information:

Nomenclature

Colour

Manufacturer's identification

Piece number and number of lengths per piece

Gross length in metres (including allowance)

Net length in metres

CAN/CGSB-4.117-2014

Date of manufacture

Purchaser's order number

## **5.2 Labelling, packing, packaging and marking**

Unless otherwise specified (see 7.1), normal commercial practice of labelling, packing, packaging and marking shall be acceptable.

## **6 Inspection**

### **6.1 Sampling**

Sampling shall be left to the discretion of the inspection authority, unless a specific sampling plan is specified (see 7.1).

## **7 Notes**

### **7.1 Options**

The following options shall be specified in the application of this standard:

- a. Colour (see 4.3)
- b. Finish (see 4.4)
- c. Piece length (see 4.5)
- d. Labelling, packing, packaging and marking details, if other than normal commercial practice (see 5.2)
- e. Sampling, if a specific plan is required (see 6.1)

Table 1 — Fabric requirements — Polyester/cotton plain fabric, 105 g/m<sup>2</sup>

Property	Test method	Requirements		
		Specified	Minimum	Maximum
Fibre content, %	CAN/CGSB-4.2 No. 14	65 polyester 35 cotton	62 polyester 32 cotton	68 polyester 38 cotton
Fabric width, cm	CAN/CGSB-4.2 No.4.1/ISO 22198	—	112	—
Weave	—	Plain	—	—
Mass per unit area, g/m <sup>2</sup>	CAN/CGSB-4.2 No. 5.1	105	105	114
Woven fabric count, threads/cm	CAN/CGSB-4.2 No. 6/ISO 7211/2	Warp 45 Weft 30	Warp 43 Weft 28	Warp 47 Weft 32
Breaking strength (tensile), N	CAN/CGSB-4.2 No. 9.2 (Grab, 20 s breaking time)	—	Warp 350 Weft 200	—
Dimensional change in washing, %	CAN/CGSB-4.2 No. 58 Procedure I (40°C) Dry Procedure E, Restoration Procedure 3	—	—	Warp 2.0 Weft 2.0
Colourfastness:				
— to light	CAN/CGSB-4.2 No. 18.3/ISO 105-B02	—	Reference 3 or Standard L4	
— to laundering	CAN/CGSB-4.2 No. 19.1 Test No. 2	—	3 staining & 4 colour change	—
— to perspiration	CAN/CGSB-4.2 No. 23	—	4 staining & colour change	
— to rubbing (crocking), dry and wet (water)	CAN/CGSB-4.2 No. 22	—	4 dry & 3 wet staining	
Pilling	CAN/CGSB-4.2 No. 51.2	—	—	Rating 3 (120 min)
Crease recovery, %	CAN/CGSB-4.2 No. 45	—	Warp 70 Weft 70	—
Non-fibrous materials, %	CAN/CGSB-4.2 No. 15 <sup>a</sup>	—	—	4
Free formaldehyde, ppm	CAN/CGSB-4.2 No. 63.5/ ISO 14184-2	300	—	—

<sup>a</sup> Procedure for removal of amino-formaldehyde resin finishes.

Table 2 — Fabric requirements — Polyester/cotton plain fabric, 150 g/m<sup>2</sup>

Property	Test method	Requirements		
		Specified	Minimum	Maximum
Yarns, %	CAN/CGSB-4.2 No. 14	65 polyester 35 cotton	62 polyester 32 cotton	68 polyester 38 cotton
Fabric width, cm	CAN/CGSB-4.2 No.4.1/ISO 22198	—	160	—
Weave	—	Plain	—	—
Mass per unit area, g/m <sup>2</sup>	CAN/CGSB-4.2 No. 5.1	150	145	155
Woven fabric count, threads/cm	CAN/CGSB-4.2 No. 6/ISO 7211/2	Warp 40 Weft 20	Warp 38 Weft 18	Warp 42 Weft 22
Breaking strength (tensile), N	CAN/CGSB-4.2 No. 9.2 (Grab, 20 s breaking time)	—	Warp 550 Weft 220	—
Dimensional change in washing, %	CAN/CGSB-4.2 No. 58 Procedure I (40°C) Dry Procedure E, Restoration Procedure 3	—	—	Warp 2.0 Weft 2.0
Colourfastness:				
— to light	CAN/CGSB-4.2 No. 18.3/ISO 105-B02	—	Reference 3 or Standard L4	
— to laundering	CAN/CGSB-4.2 No. 19.1 Test No. 2	—	3 staining & 4 colour change	
— to perspiration	CAN/CGSB-4.2 No. 23	—	4 staining & colour change	
— to rubbing (crocking), dry and wet (water)	CAN/CGSB-4.2 No. 22	—	4 dry & 3 wet staining	
Pilling	CAN/CGSB-4.2 No. 51.2	—	-	Rating 3 (120 min)
Crease recovery, %	CAN/CGSB-4.2 No. 45	—	Warp 70 Weft 70	—
Non-fibrous materials, %	CAN/CGSB-4.2 No. 15 <sup>a</sup>	—	—	4
Free formaldehyde, ppm	CAN/CGSB-4.2 No. 63.5/ ISO 14184-2	300	—	—
<sup>a</sup> Procedure for removal of amino-formaldehyde resin finishes.				

Table 3 — Fabric requirements — Polyester/cotton plain fabric, 170 g/m<sup>2</sup>

Property	Test method	Requirements		
		Specified	Minimum	Maximum
Yarns, %	CAN/CGSB-4.2 No. 14	65 polyester 35 cotton	60 polyester 30 cotton	70 polyester 40 cotton
Fabric width, cm	CAN/CGSB-4.2 No.4.1/ISO 22198	—	160	—
Weave	—	Plain	—	—
Mass per unit area, g/m <sup>2</sup>	CAN/CGSB-4.2 No. 5.1	170	165	175
Woven fabric count, threads/cm	CAN/CGSB-4.2 No. 6/ISO 7211/2	Warp 40 Weft 20	Warp 38 Weft 18	Warp 42 Weft 22
Breaking strength (tensile), N	CAN/CGSB-4.2 No. 9.2 (Grab, 20 s breaking time)	—	Warp 600 Weft 250	—
Dimensional change in washing, %	CAN/CGSB-4.2 No. 58 Procedure I (40°C) Dry Procedure E, Restoration Procedure 3	—	—	Warp 2.0 Weft 2.0
Colourfastness:				
— to light	CAN/CGSB-4.2 No. 18.3/ISO 105-B02	—	Reference 3 or Standard L4	
— to laundering	CAN/CGSB-4.2 No. 19.1 Test No. 2	—	3 staining & 4 colour change	
— to perspiration	CAN/CGSB-4.2 No. 23	—	4 staining & colour change	—
— to rubbing (crocking), dry and wet (water)	CAN/CGSB-4.2 No. 22	—	4 dry & 3 wet staining	
Pilling	CAN/CGSB-4.2 No. 51.2	—	—	Rating 3 (120 min)
Crease recovery, %	CAN/CGSB-4.2 No. 45	—	Warp 70 Weft 70	—
Non-fibrous materials, %	CAN/CGSB-4.2 No. 15 <sup>a</sup>	—	—	4
Free formaldehyde, ppm	CAN/CGSB-4.2 No. 63.5/ ISO 14184-2	300	—	—

<sup>a</sup> Procedure for removal of amino-formaldehyde resin finishes.