

**Tested For:** Lone Henriksen  
 Kvadrat A/S  
 Lundbergsvej 10 DK-8400 Ebeltoft  
 Denmark

**Phone:** 011 45 89 53 18 60  
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**Received:** 8/9/2021  
**Completed:** 8/12/2021  
**Code:** V  
**Test Report:** 3-44746-0

**Key Test:** CAN/ULC-S109-14 Small Flame Test

226

**Client's Identification:**

Style: Trace. Content: 100% Polyester FR. Width: 120 inches. Finish: None. Weight Range: 49-330 g/m<sup>2</sup>. Weight: 49 g/m<sup>2</sup>- 4.84 oz/ly. End Use: Curtain.

Test Category: CAN/UL Small LE 2014; V 7/21 DK Specifier: CAN/UL /rb /dv

TEST PERFORMED: CAN/ULC-S109-14 \* - Standard for Flame Tests of Flame-Resistant Fabrics & Films, Small Flame Test

(\* Note: This document was prepared and published by Underwriters' Laboratories of Canada and is approved as a National Standard of Canada.)

**PRECONDITIONING:**

- Standard method: 0.5 hour @ 105 ± 2°C
- Alternate method for materials that are affected by heating to 105°C:
  - Desiccator method: 12 hours minimum @ 20 ± 2°C and 50 ± 5% RH
  - Alternate oven method: 1 hour @ 60 ± 2°C

APPROXIMATE AREA DENSITY OF MATERIAL (as measured by SGS North America): 46 g/m<sup>2</sup>

CONVERSION FACTORS: mm ÷ 25.4 = inches  
 g/m<sup>2</sup> ÷ 28.35 x 0.0835 = oz/yd<sup>2</sup>

**RESULTS ARE REPORTED:**

- Initially [code 226]
- After 10 dry cleanings [code 457]
- After 10 launderings [code 399]
- After 72 hours water leaching [code 399]
- After scrubbing [code 630]
- After 360 hours accelerated weathering [code 5518]

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**Completed:** 8/12/2021  
**Code:** V  
**Test Report:** 3-44746-0

Denmark

**Key Test:** CAN/ULC-S109-14 Small Flame Test

226

**RESULTS:**

| Direction | Specimen # | Surface Flaming**<br>(seconds) | Flaming Drip<br>(seconds) | Damaged Length<br>(mm) |
|-----------|------------|--------------------------------|---------------------------|------------------------|
| Length:   | 1          | 0                              | 0                         | 145                    |
|           | 2          | 0                              | 0                         | 129                    |
|           | 3          | 0                              | 0                         | 169                    |
|           | 4          | 0                              | 0                         | 125                    |
|           | 5          | 0                              | 0                         | 148                    |
|           | Average:   |                                |                           |                        |
| Width:    | 6          | 0                              | 0                         | 150                    |
|           | 7          | 0                              | 0                         | 115                    |
|           | 8          | 0                              | 0                         | 142                    |
|           | 9          | 0                              | 0                         | 145                    |
|           | 10         | 0                              | 0                         | 125                    |
|           | Average:   |                                |                           |                        |

REMARKS: None.

**ACCEPTANCE CRITERIA:**

|                              | Surface Flaming<br>(seconds) | Flaming Drip (seconds) | Damaged Length |
|------------------------------|------------------------------|------------------------|----------------|
| Maximum Average:             | **                           | Not specified          | 165 mm (6.5")  |
| Maximum Individual Specimen: | **                           | 2.0                    | 190 mm (7.5")  |

(\*\* Surface Flaming values are required to be reported after removal of the 12 seconds igniting flame; however, these values are not required to be factored into determination of acceptance.)

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**Key Test:** CAN/ULC-S109-14 Small Flame Test

226

CONCLUSION: Based on the above Results and Acceptance Criteria, the item tested:

Complies;  Does not comply

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified above.

AUTHORIZED SIGNATURE  
SGS NORTH AMERICA  
/jab /al

AUG 26 2021

*Bobby Brown*

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**Received:** 8/9/2021  
**Completed:** 8/16/2021  
**Code:** V1  
**Test Report:** 3-44746-1

**Key Test:** CAN/ULC S109-14 Large Flame Test Folded Specimen

457

**Client's Identification:**

Style: Trace. Content: 100% Polyester FR. Width: 120 inches. Finish: None. Weight Range: 49-330 g/m<sup>2</sup>. Weight: 49 g/m<sup>2</sup>- 4.84 oz/ly. End Use: Curtain.

Test Category: CAN/UL Large Folds LE: 2014; V 7/21 DK Specifier: CAN/UL /rb /dv  
 TEST PERFORMED: CAN/ULC-S109-14 \* - Standard for Flame Tests of Flame-Resistant Fabrics & Films, Large Flame Test, Folded Specimens

(\* Note: This document was prepared and published by Underwriters' Laboratories of Canada and is approved as a National Standard of Canada.)

**PRECONDITIONING:**

- Standard method: 0.5 hour @ 105 ± 2°C
- Alternate method for materials that are affected by heating to 105°C:
  - Desiccator method: 12 hours minimum @ 20 ± 2°C and 50 ± 5% RH
  - Alternate oven method: 1 hour @ 60 ± 2°C

APPROXIMATE AREA DENSITY OF MATERIAL (as measured by SGS North America): 46 g/m<sup>2</sup>

**CONVERSION FACTORS:**

mm ÷ 25.4 = inches  
 g/m<sup>2</sup> ÷ 28.35 x 0.0835 = oz/yd<sup>2</sup>

**RESULTS ARE REPORTED:**

- Initially [code 457]
- After 10 dry cleanings [code 688]
- After 10 launderings [code 630]
- After 72 hours water leaching [code 630]
- After scrubbing [code 861]
- After 360 hours accelerated weathering [code 6925]

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**Code:** V1  
**Test Report:** 3-44746-1

**Key Test:** CAN/ULC S109-14 Large Flame Test Folded Specimen

457

**RESULTS:**

| Direction | Specimen # | Surface Flaming**<br>(seconds) | Flaming Drip<br>(seconds) | Char Length<br>(mm) |
|-----------|------------|--------------------------------|---------------------------|---------------------|
| Length:   | 1          | 0                              | 0                         | 98                  |
|           | 2          | 0                              | 0                         | 133                 |
| Width:    | 3          | 0                              | 0                         | 144                 |
|           | 4          | 0                              | 0                         | 103                 |

REMARKS: None.

ACCEPTANCE CRITERIA: For each individual specimen --

| Surface Flaming (seconds) | Flaming Drip (seconds) | Damaged Length |
|---------------------------|------------------------|----------------|
| **                        | 2                      | 635 mm         |

(\*\* Surface Flaming values are required to be reported after removal of the 120 seconds igniting flame; however, these values are not required to be factored into determination of acceptance.)

CONCLUSION: Based on the above Results and Acceptance criteria, the item tested:

Complies;  Does not comply

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified above.

AUTHORIZED SIGNATURE  
 SGS NORTH AMERICA  
 /jab

AUG 26 2021  
*Bobby Brown*

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**Received:** 8/9/2021  
**Completed:** 8/12/2021  
**Code:** W  
**Test Report:** 3-44747-0

**Key Test:** CAN/ULC-S109-14 Small Flame Test

226

**RESULTS:**

| Direction | Specimen # | Surface Flaming**<br>(seconds) | Flaming Drip<br>(seconds) | Damaged Length<br>(mm) |
|-----------|------------|--------------------------------|---------------------------|------------------------|
| Length:   | 1          | 0                              | 0                         | 105                    |
|           | 2          | 0                              | 0                         | 120                    |
|           | 3          | 0                              | 0                         | 130                    |
|           | 4          | 0                              | 0                         | 120                    |
|           | 5          | 0                              | 0                         | 140                    |
|           | Average:   |                                |                           |                        |
| Width:    | 6          | 0                              | 0                         | 100                    |
|           | 7          | 0                              | 0                         | 115                    |
|           | 8          | 0                              | 0                         | 135                    |
|           | 9          | 0                              | 0                         | 100                    |
|           | 10         | 0                              | 0                         | 110                    |
|           | Average:   |                                |                           |                        |

REMARKS: None.

**ACCEPTANCE CRITERIA:**

|                              | Surface Flaming<br>(seconds) | Flaming Drip (seconds) | Damaged Length |
|------------------------------|------------------------------|------------------------|----------------|
| Maximum Average:             | **                           | Not specified          | 165 mm (6.5")  |
| Maximum Individual Specimen: | **                           | 2.0                    | 190 mm (7.5")  |

(\*\* Surface Flaming values are required to be reported after removal of the 12 seconds igniting flame; however, these values are not required to be factored into determination of acceptance.)

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**Code:** W  
**Test Report:** 3-44747-0

**Key Test:** CAN/ULC-S109-14 Small Flame Test

226

CONCLUSION: Based on the above Results and Acceptance Criteria, the item tested:

Complies;  Does not comply

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified above.

AUTHORIZED SIGNATURE  
SGS NORTH AMERICA  
/jab

AUG 26 2021

*Bobby Brown*

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**Received:** 8/9/2021  
**Completed:** 8/16/2021  
**Code:** W1  
**Test Report:** 3-44747-1

**Key Test:** CAN/ULC S109-14 Large Flame Test Folded Specimen

457

**Client's Identification:**

Style: Tints. Content: 100% Polyester FR. Width: 130 inches. Finish: None. Weight Range: 49-330 g/m<sup>2</sup>. Weight: 230 g/m<sup>2</sup>- 24.5 oz/ly. End Use: Curtain.

Test Category: CAN/UL Large Folds LE: 2014; V 7/21 DK Specifier: CAN/UL /rb /dv  
 TEST PERFORMED: CAN/ULC-S109-14 \* - Standard for Flame Tests of Flame-Resistant Fabrics & Films, Large Flame Test, Folded Specimens

(\* Note: This document was prepared and published by Underwriters' Laboratories of Canada and is approved as a National Standard of Canada.)

**PRECONDITIONING:**

- Standard method: 0.5 hour @ 105 ± 2°C
- Alternate method for materials that are affected by heating to 105°C:
  - Desiccator method: 12 hours minimum @ 20 ± 2°C and 50 ± 5% RH
  - Alternate oven method: 1 hour @ 60 ± 2°C

APPROXIMATE AREA DENSITY OF MATERIAL (as measured by SGS North America): 228 g/m<sup>2</sup>

**CONVERSION FACTORS:**

mm ÷ 25.4 = inches  
 g/m<sup>2</sup> ÷ 28.35 x 0.0835 = oz/yd<sup>2</sup>

**RESULTS ARE REPORTED:**

- Initially [code 457]
- After 10 dry cleanings [code 688]
- After 10 launderings [code 630]
- After 72 hours water leaching [code 630]
- After scrubbing [code 861]
- After 360 hours accelerated weathering [code 6925]

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**Completed:** 8/16/2021  
**Code:** W1  
**Test Report:** 3-44747-1

**Key Test:** CAN/ULC S109-14 Large Flame Test Folded Specimen

457

**RESULTS:**

| Direction | Specimen # | Surface Flaming**<br>(seconds) | Flaming Drip<br>(seconds) | Char Length<br>(mm) |
|-----------|------------|--------------------------------|---------------------------|---------------------|
| Length:   | 1          | 0                              | 0                         | 41                  |
|           | 2          | 0                              | 0                         | 90                  |
| Width:    | 3          | 0                              | 0                         | 34                  |
|           | 4          | 0                              | 0                         | 50                  |

REMARKS: None.

ACCEPTANCE CRITERIA: For each individual specimen --

| Surface Flaming (seconds) | Flaming Drip (seconds) | Damaged Length |
|---------------------------|------------------------|----------------|
| **                        | 2                      | 635 mm         |

(\*\* Surface Flaming values are required to be reported after removal of the 120 seconds igniting flame; however, these values are not required to be factored into determination of acceptance.)

CONCLUSION: Based on the above Results and Acceptance criteria, the item tested:

Complies;  Does not comply

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified above.

*Bobby Brown*

AUTHORIZED SIGNATURE  
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**Received:** 8/9/2021  
**Completed:** 8/13/2021  
**Code:** X  
**Test Report:** 3-44748-0

Denmark

**Key Test:** CAN/ULC-S109-14 Small Flame Test

226

**RESULTS:**

| Direction | Specimen # | Surface Flaming**<br>(seconds) | Flaming Drip<br>(seconds) | Damaged Length<br>(mm) |
|-----------|------------|--------------------------------|---------------------------|------------------------|
| Length:   | 1          | 0                              | 0                         | 90                     |
|           | 2          | 0                              | 0                         | 93                     |
|           | 3          | 0                              | 0                         | 104                    |
|           | 4          | 0                              | 0                         | 88                     |
|           | 5          | 0                              | 0                         | 90                     |
|           | Average:   |                                |                           |                        |
| Width:    | 6          | 0                              | 0                         | 100                    |
|           | 7          | 0                              | 0                         | 90                     |
|           | 8          | 0                              | 0                         | 85                     |
|           | 9          | 0                              | 0                         | 110                    |
|           | 10         | 0                              | 0                         | 75                     |
|           | Average:   |                                |                           |                        |

REMARKS: None.

**ACCEPTANCE CRITERIA:**

|                              | Surface Flaming<br>(seconds) | Flaming Drip (seconds) | Damaged Length |
|------------------------------|------------------------------|------------------------|----------------|
| Maximum Average:             | **                           | Not specified          | 165 mm (6.5")  |
| Maximum Individual Specimen: | **                           | 2.0                    | 190 mm (7.5")  |

(\*\* Surface Flaming values are required to be reported after removal of the 12 seconds igniting flame; however, these values are not required to be factored into determination of acceptance.)

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**Received:** 8/9/2021  
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**Code:** X  
**Test Report:** 3-44748-0

**Key Test:** CAN/ULC-S109-14 Small Flame Test

226

CONCLUSION: Based on the above Results and Acceptance Criteria, the item tested:

Complies;  Does not comply

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified above.

AUTHORIZED SIGNATURE  
SGS NORTH AMERICA  
/jab /al

AUG 26 2021

*Bobby Brown*

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|                    |   |                                  |                               |
|--------------------|---|----------------------------------|-------------------------------|
| <b>Tested For:</b> | <b>Lone Henriksen</b>                   | <b>Phone:</b> 011 45 89 53 18 60 | <b>Received:</b> 8/9/2021     |
|                    | <b>Kvadrat A/S</b>                      | <b>Fax:</b>                      | <b>Completed:</b> 8/13/2021   |
|                    | <b>Lundbergsvej 10 DK-8400 Ebeltoft</b> | <b>Mobile:</b>                   | <b>Code:</b> X1               |
|                    |   | <b>PO#:</b>                      | <b>Test Report:</b> 3-44748-1 |
|                    | <b>Denmark</b>                          | <b>Email:</b> lh@kvadrat.dk      |                               |

**Key Test:** CAN/ULC S109-14 Large Flame Test Folded Specimen 457

**Client's Identification:**

Style: Silence. Content: 100% Polyester FR. Width: 118 inches. Finish: None. Weight Range: 49-330 g/m<sup>2</sup>. Weight: 330 g/m<sup>2</sup>-32.25 oz/ly. End Use: Curtain.

Test Category: CAN/UL Large Folds      LE: 2014; V 7/21 DK      Specifier: CAN/UL      /rb /dv  
**TEST PERFORMED:** CAN/ULC-S109-14 \* - Standard for Flame Tests of Flame-Resistant Fabrics & Films, Large Flame Test, Folded Specimens

(\* Note: This document was prepared and published by Underwriters' Laboratories of Canada and is approved as a National Standard of Canada.)

**PRECONDITIONING:**

- Standard method: 0.5 hour @ 105 ± 2°C
- Alternate method for materials that are affected by heating to 105°C:
  - Desiccator method: 12 hours minimum @ 20 ± 2°C and 50 ± 5% RH
  - Alternate oven method: 1 hour @ 60 ± 2°C

APPROXIMATE AREA DENSITY OF MATERIAL (as measured by SGS North America): 337 g/m<sup>2</sup>

**CONVERSION FACTORS:**

mm ÷ 25.4 = inches  
 g/m<sup>2</sup> ÷ 28.35 x 0.0835 = oz/yd<sup>2</sup>

**RESULTS ARE REPORTED:**

- Initially [code 457]
- After 10 dry cleanings [code 688]
- After 10 launderings [code 630]
- After 72 hours water leaching [code 630]
- After scrubbing [code 861]
- After 360 hours accelerated weathering [code 6925]

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**Tested For:** Lone Henriksen  
 Kvadrat A/S  
 Lundbergsvej 10 DK-8400 Ebeltøft

**Phone:** 011 45 89 53 18 60  
**Fax:**  
**Mobile:**  
**PO#:**  
**Email:** lh@kvadrat.dk

**Received:** 8/9/2021  
**Completed:** 8/13/2021  
**Code:** X1  
**Test Report:** 3-44748-1

Denmark

**Key Test:** CAN/ULC S109-14 Large Flame Test Folded Specimen

457

**RESULTS:**

| Direction | Specimen # | Surface Flaming** (seconds) | Flaming Drip (seconds) | Char Length (mm) |
|-----------|------------|-----------------------------|------------------------|------------------|
| Length:   | 1          | 0                           | 0                      | 54               |
|           | 2          | 0                           | 0                      | 25               |
| Width:    | 3          | 0                           | 0                      | 42               |
|           | 4          | 0                           | 0                      | 19               |

REMARKS: None.

ACCEPTANCE CRITERIA: For each individual specimen --

| Surface Flaming (seconds) | Flaming Drip (seconds) | Damaged Length |
|---------------------------|------------------------|----------------|
| **                        | 2                      | 635 mm         |

(\*\* Surface Flaming values are required to be reported after removal of the 120 seconds igniting flame; however, these values are not required to be factored into determination of acceptance.)

CONCLUSION: Based on the above Results and Acceptance criteria, the item tested:

Complies;  Does not comply

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified above.

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