



No. 1399248.2B

(Please quote this number in all correspondence)

CLIENT:
Textilia Ltd.
PO Box 37 378
Parnell, Auckland

SAMPLE RECEIVED FROM:
Textilia Ltd.

Date Received: 30.11.21

Attn.: Therese Ronalde

SAMPLE DESCRIPTION:
Grey woven fabric – Quest
Nominal Composition – 100% Post Consumer Recycled Polyester
Nominal Weight – 452 grams/lineal meter
End Use – Task Seating, Soft Seating, Panels

Client Order No.:

Client Reference:

1 of 9

ISO 5660.1-2015 - Reaction to Fire Tests – Heat release Smoke Production and Mass Loss Rate Part 1: Heat Release Rate (Cone Calorimeter Method) and Smoke Production Rate (Dynamic Measurement)

Note: This test was sub-contracted (Test Number 21-006063).

| | Specimens | | | Mean |
|--|-----------|------|------|-------------------------|
| | 1 | 2 | 3 | |
| Average Heat Release Rate | 8.7 | 9.2 | 11.1 | 9.7 kW/m ² |
| Average Specific Extinction Area | 114.3 | 94.2 | 77.9 | 95.5 m ² /kg |
| Group Number Classification (In Accordance with the New Zealand Building Code Verification Method C/VM2 Appendix A) | | | | 1S |

Test Orientation: Horizontal

| | Specimens | | | Mean |
|-----------------------------------|-----------|--------|--------|----------------------------|
| | 1 | 2 | 3 | |
| Irradiance | 50 | 50 | 50 | 50 kW/m ² |
| Exhaust Flow Rate | 0.024 | 0.024 | 0.024 | 0.024 m ³ /sec. |
| Time to Sustained Flaming | 46 | 46 | 47 | 46 sec. |
| Test Duration | 1846 | 1846 | 1847 | 1846 sec. |
| Peak Heat Release After Ignition | 301.1 | 281.4 | 290.0 | 290.9 kW/m ² |
| Average Heat at 180 s | 55.4 | 54.0 | 56.1 | 55.2 kW/m ² |
| Average Heat at 300 s | 35.8 | 34.7 | 36.6 | 35.7 kW/m ² |
| Total Heat Released | 15.7 | 16.6 | 20.1 | 17.5 MJ/m ² |
| Ave. Effective Heat of Combustion | 6.6 | 6.8 | 8.5 | 7.3 MJ/kg |
| Initial Thickness | 10.7 | 10.7 | 10.7 | 10.7 mm |
| Initial Mass | 69.2 | 68.7 | 69.5 | 69.1 g |
| Mass at Sustained Flaming | 68.8 | 68.1 | 69.1 | 68.7 g |
| Mass Remaining | 49.4 | 49.1 | 50.0 | 49.5 g |
| Mass Loss | 2446.6 | 2422.0 | 2409.0 | 2425.9 g/m ² |
| Average Rate of Mass Loss | 1.3 | 1.3 | 1.3 | 1.3 g/m ² .s |

"THIS REPORT APPLIES ONLY TO THE SAMPLES TESTED"
Samples and their identifying descriptions have been provided by the client unless otherwise stated. NZWTA Ltd makes no warranty, implied or otherwise as to the source of the tested samples. The above results are designed to provide THE CLIENT WITH GUIDANCE INFORMATION ONLY. This document shall not be reproduced except in full.

L A Greer
Signatory


C Judan
Signatory

13/12/2021



No. 1399248.2B

(Please quote this number in all correspondence)

CLIENT: Textilia Ltd.
PO Box 37 378
Parnell, Auckland
Attn.: Therese Ronalde

SAMPLE RECEIVED FROM: Textilia Ltd.
Date Received: 30.11.21

SAMPLE DESCRIPTION:
Grey woven fabric – Quest
Nominal Composition – 100% Post Consumer Recycled Polyester
Nominal Weight – 452 grams/lineal meter
End Use – Task Seating, Soft Seating, Panels

Client Order No.: Client Reference: 2 of 9

| | | | | |
|--|----------|----------|----------|--------------------------------------|
| Total Smoke Production (non-flaming phase) | 5.2 | 7.0 | 5.5 | 5.9 m ² /m ² |
| Total Smoke Production (flaming phase) | 274.7 | 234.1 | 196.7 | 235.2 m ² /m ² |
| Total Smoke Production (non flaming & flaming phase) | 279.9 | 241.1 | 202.2 | 241.1 m ² /m ² |
| C-Factor (Calibration Constant) | 0.038129 | 0.038129 | 0.038129 | - |

Additional Observation: None
Difficulties Encountered During Testing: None

These test results relate only to the behaviour of the product under the conditions of the test, they are not intended to be sole criterion for assessment of performance under real fire conditions.

Samples were loose laid onto a substrate of 6mm thick plasterboard prior to testing.

Tests were conducted with a wire grid placed over the sample during testing. This was done to contain intumescent sample within the sample holder.

Note: All calculations are based on ignition + 30 minutes.

"THIS REPORT APPLIES ONLY TO THE SAMPLES TESTED"
Samples and their identifying descriptions have been provided by the client unless otherwise stated. NZWTA Ltd makes no warranty, implied or otherwise as to the source of the tested samples. The above results are designed to provide THE CLIENT WITH GUIDANCE INFORMATION ONLY.
This document shall not be reproduced except in full.

L A Greer
Signatory


C Judan
Signatory

13/12/2021



No. 1399248.2B

(Please quote this number in all correspondence)

CLIENT:
Textilia Ltd.
PO Box 37 378
Parnell, Auckland

Attn.: Therese Ronalde

SAMPLE RECEIVED FROM:
Textilia Ltd.

Date Received: 30.11.21

SAMPLE DESCRIPTION:
Grey woven fabric – Quest
Nominal Composition – 100% Post Consumer Recycled Polyester
Nominal Weight – 452 grams/lineal meter
End Use – Task Seating, Soft Seating, Panels

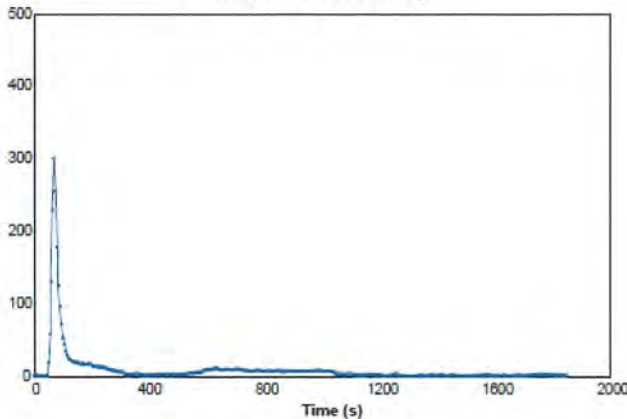
Client Order No.:

Client Reference:

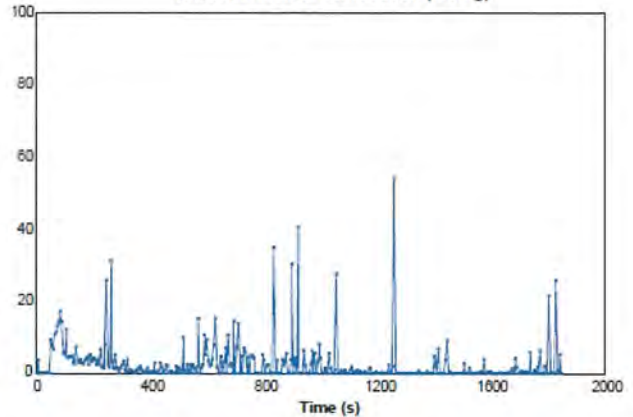
3 of 9

Specimen : 1

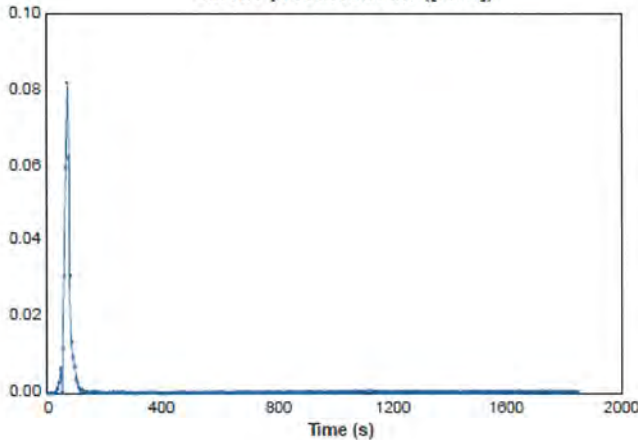
Heat release rate (kW/m²)



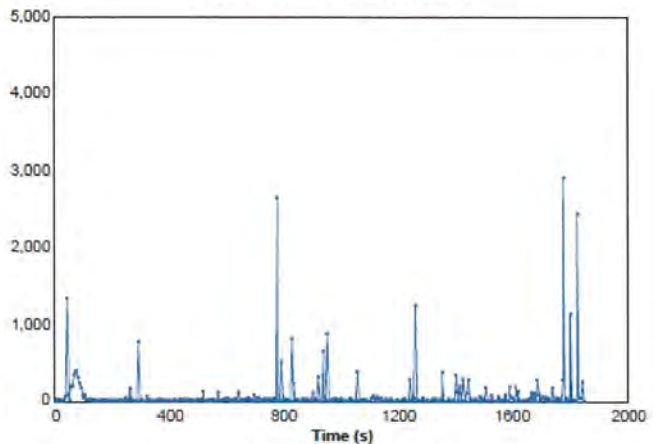
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



"THIS REPORT APPLIES ONLY TO THE SAMPLES TESTED"
Samples and their identifying descriptions have been provided by the client unless otherwise stated. NZWTA Ltd makes no warranty, implied or otherwise as to the source of the tested samples. The above results are designed to provide THE CLIENT WITH GUIDANCE INFORMATION ONLY. This document shall not be reproduced except in full.

L A Greer
Signatory


C Judan
Signatory

13/12/2021



No. 1399248.2B

(Please quote this number in all correspondence)

CLIENT:
Textilia Ltd.
PO Box 37 378
Parnell, Auckland

SAMPLE RECEIVED FROM:
Textilia Ltd.

Date Received: 30.11.21

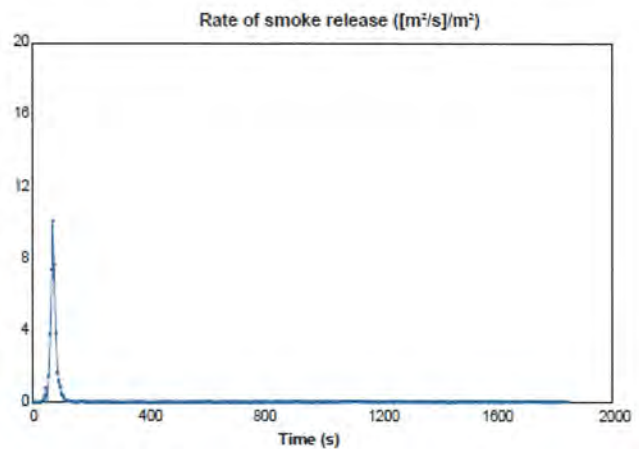
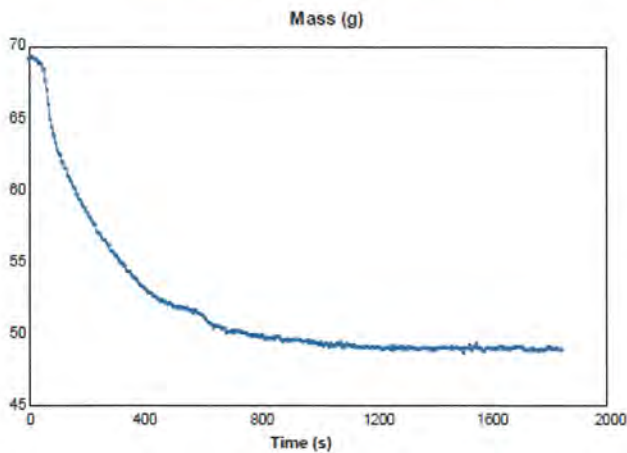
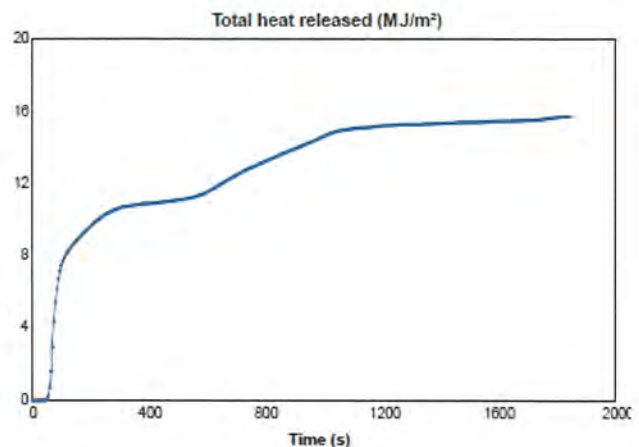
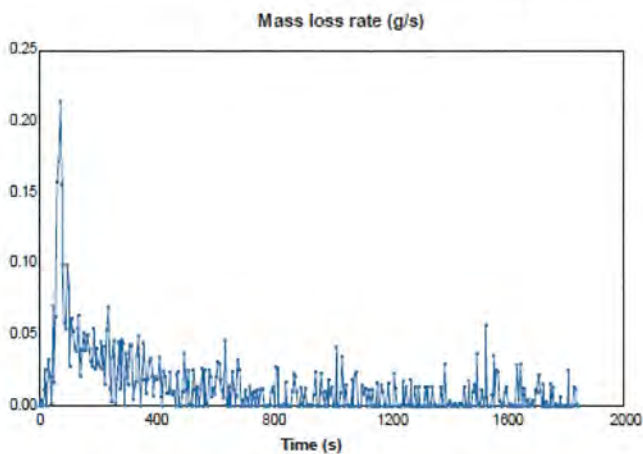
Attn.: Therese Ronalde

SAMPLE DESCRIPTION:
Grey woven fabric – Quest
Nominal Composition – 100% Post Consumer Recycled Polyester
Nominal Weight – 452 grams/lineal meter
End Use – Task Seating, Soft Seating, Panels

Client Order No.:

Client Reference:

4 of 9



"THIS REPORT APPLIES ONLY TO THE SAMPLES TESTED"

Samples and their identifying descriptions have been provided by the client unless otherwise stated. NZWTA Ltd makes no warranty, implied or otherwise as to the source of the tested samples. The above results are designed to provide THE CLIENT WITH GUIDANCE INFORMATION ONLY. This document shall not be reproduced except in full.

L A Greer
Signatory


C Judan
Signatory

13/12/2021



No. 1399248.2B

(Please quote this number in all correspondence)

CLIENT:
Textilia Ltd.
PO Box 37 378
Parnell, Auckland

SAMPLE RECEIVED FROM:
Textilia Ltd.

Date Received: 30.11.21

Attn.: Therese Ronalde

SAMPLE DESCRIPTION:
Grey woven fabric – Quest
Nominal Composition – 100% Post Consumer Recycled Polyester
Nominal Weight – 452 grams/lineal meter
End Use – Task Seating, Soft Seating, Panels

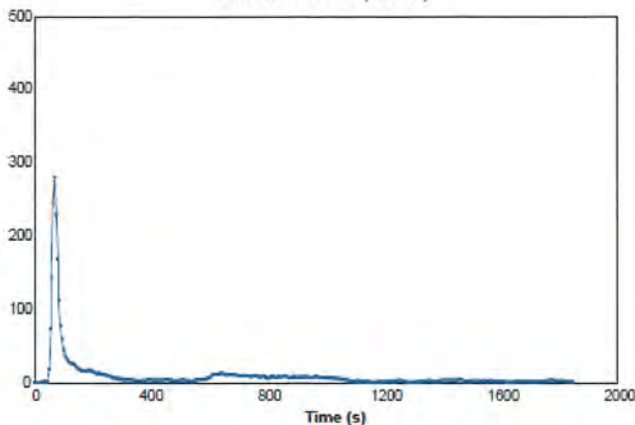
Client Order No.:

Client Reference:

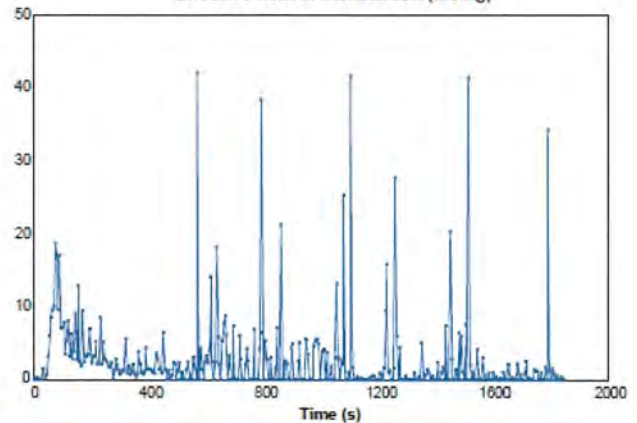
5 of 9

Specimen : 2

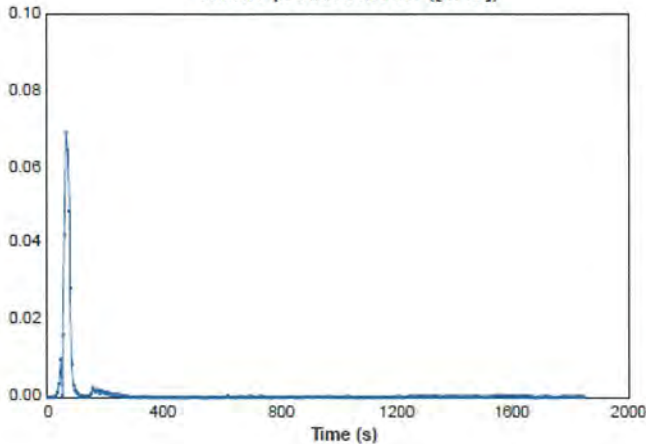
Heat release rate (kW/m²)



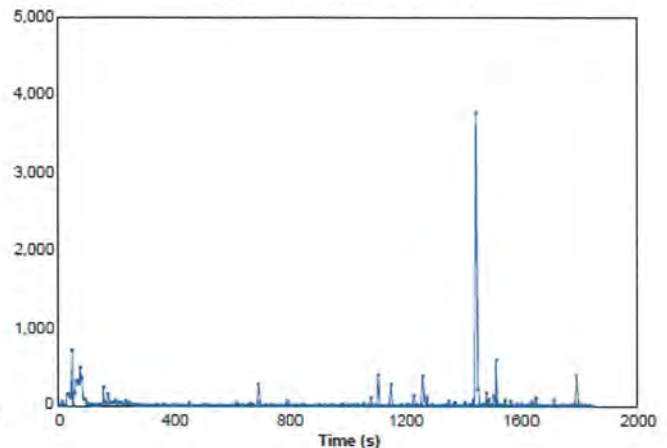
Effective heat of combustion (MJ/kg)



Smoke production rate ((m³/s))



Specific extinction area (m²/kg)



"THIS REPORT APPLIES ONLY TO THE SAMPLES TESTED"

Samples and their identifying descriptions have been provided by the client unless otherwise stated. NZWTA Ltd makes no warranty, implied or otherwise as to the source of the tested samples. The above results are designed to provide THE CLIENT WITH GUIDANCE INFORMATION ONLY. This document shall not be reproduced except in full.

L A Greer
Signatory


C Judan
Signatory

13/12/2021



No. 1399248.2B

(Please quote this number in all correspondence)

CLIENT:
Textilia Ltd.
PO Box 37 378
Parnell, Auckland

SAMPLE RECEIVED FROM:
Textilia Ltd.

Date Received: 30.11.21

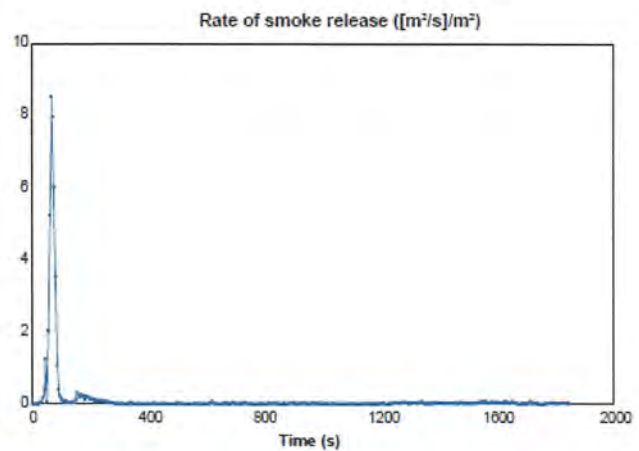
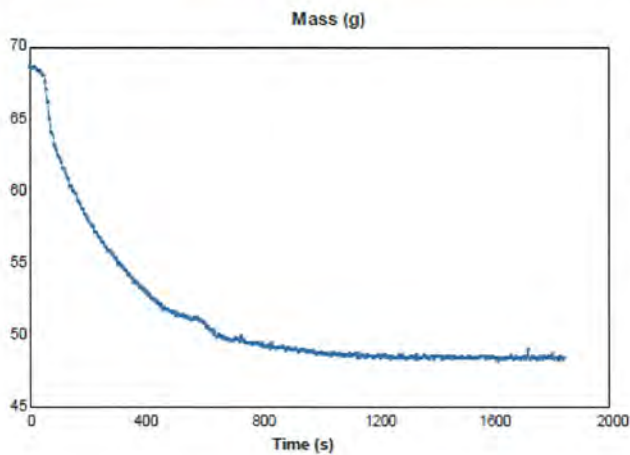
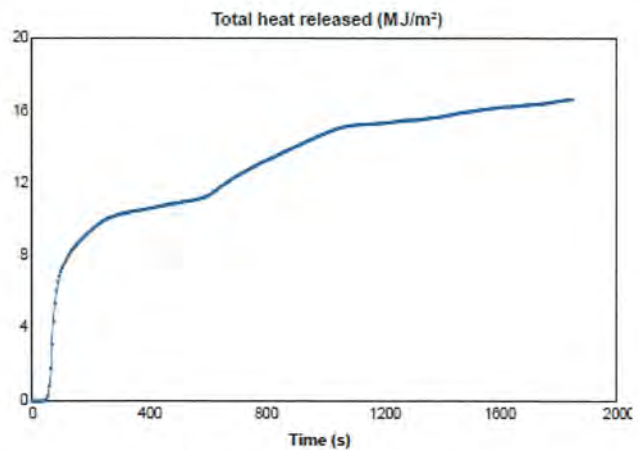
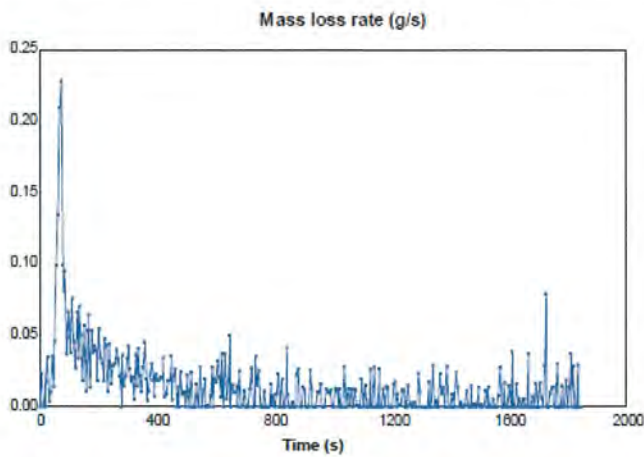
Attn.: Therese Ronalde

SAMPLE DESCRIPTION:
Grey woven fabric – Quest
Nominal Composition – 100% Post Consumer Recycled Polyester
Nominal Weight – 452 grams/lineal meter
End Use – Task Seating, Soft Seating, Panels

Client Order No.:

Client Reference:

6 of 9



"THIS REPORT APPLIES ONLY TO THE SAMPLES TESTED"

Samples and their identifying descriptions have been provided by the client unless otherwise stated. NZWTA Ltd makes no warranty, implied or otherwise as to the source of the tested samples. The above results are designed to provide THE CLIENT WITH GUIDANCE INFORMATION ONLY. This document shall not be reproduced except in full.

L A Greer
Signatory



C Judan
Signatory

13/12/2021



No. 1399248.2B

(Please quote this number in all correspondence)

CLIENT:
Textilia Ltd.
PO Box 37 378
Parnell, Auckland

SAMPLE RECEIVED FROM:
Textilia Ltd.

Date Received: 30.11.21

Attn.: Therese Ronalde

SAMPLE DESCRIPTION:
Grey woven fabric – Quest
Nominal Composition – 100% Post Consumer Recycled Polyester
Nominal Weight – 452 grams/lineal meter
End Use – Task Seating, Soft Seating, Panels

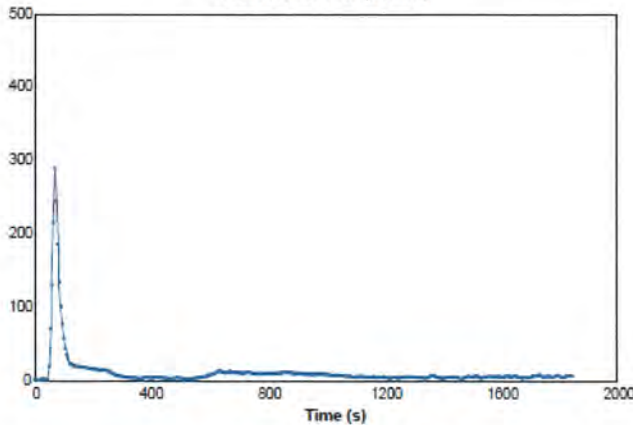
Client Order No.:

Client Reference:

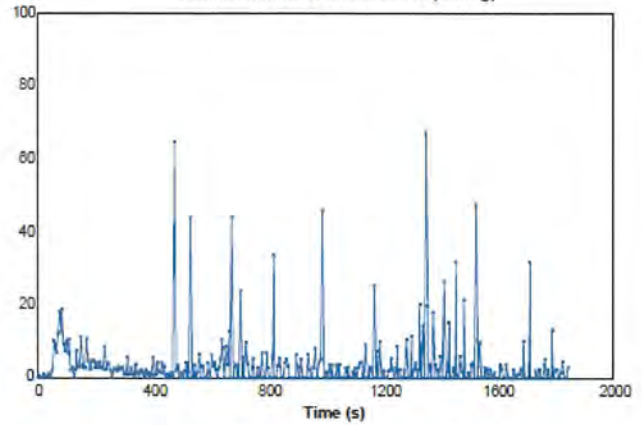
7 of 9

Specimen : 3

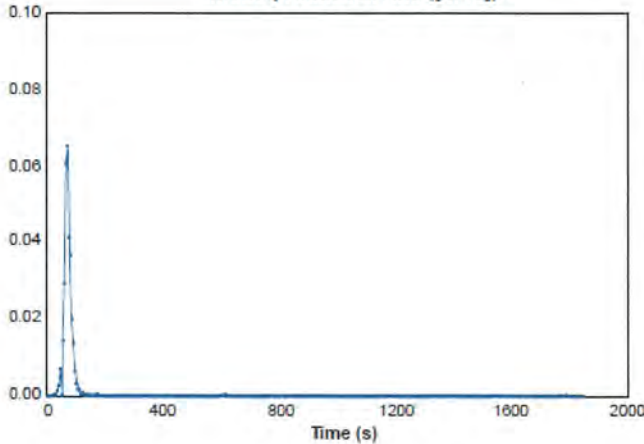
Heat release rate (kW/m²)



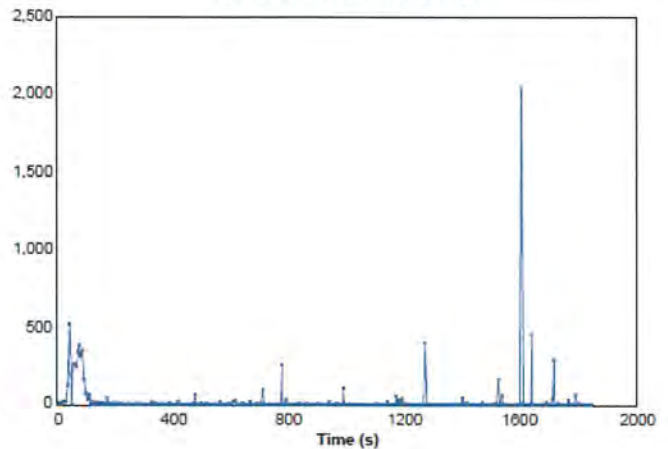
Effective heat of combustion (MJ/kg)



Smoke production rate (m³/s)



Specific extinction area (m²/kg)



"THIS REPORT APPLIES ONLY TO THE SAMPLES TESTED"
Samples and their identifying descriptions have been provided by the client unless otherwise stated. NZWTA Ltd makes no warranty, implied or otherwise as to the source of the tested samples. The above results are designed to provide THE CLIENT WITH GUIDANCE INFORMATION ONLY. This document shall not be reproduced except in full.

L A Greer
Signatory


C Judan
Signatory

13/12/2021



No. 1399248.2B

(Please quote this number in all correspondence)

CLIENT:
Textilia Ltd.
PO Box 37 378
Parnell, Auckland

SAMPLE RECEIVED FROM:
Textilia Ltd.

Date Received: 30.11.21

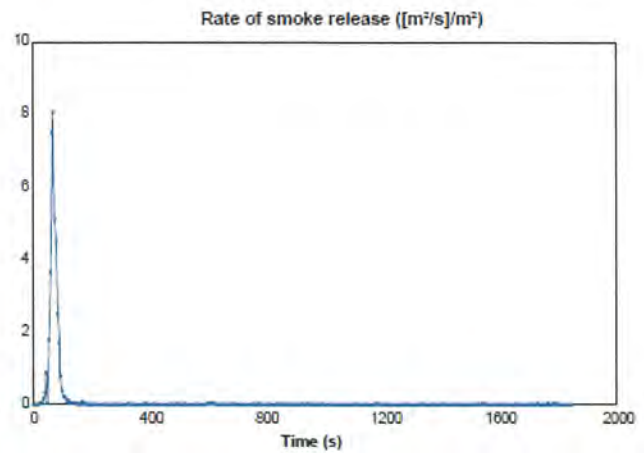
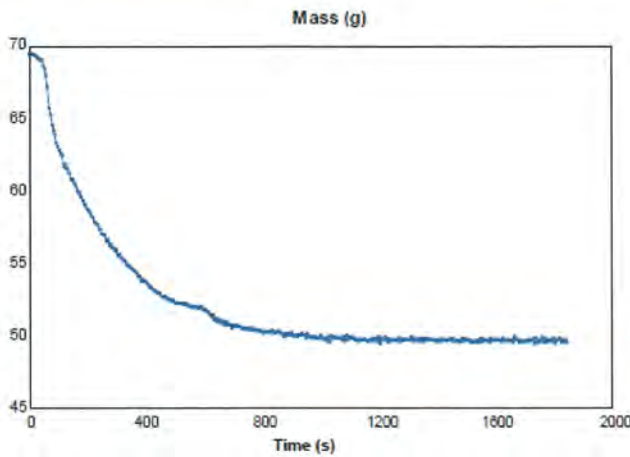
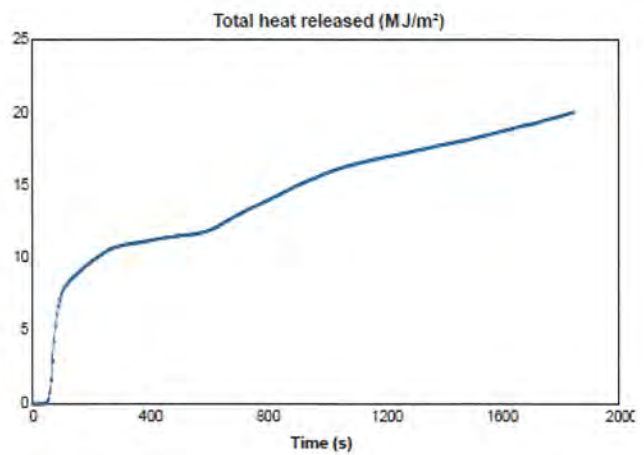
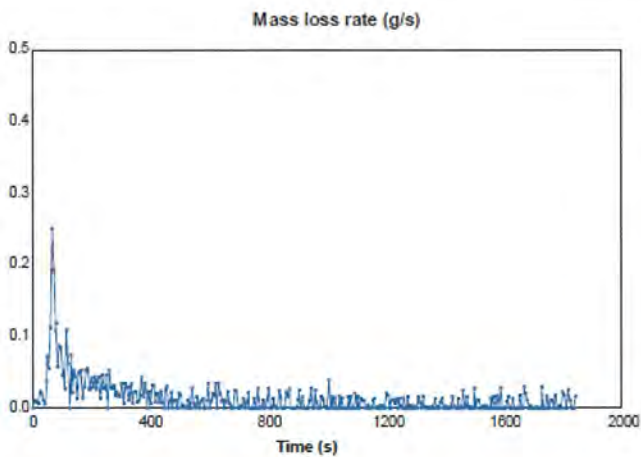
Attn.: Therese Ronalde

SAMPLE DESCRIPTION:
Grey woven fabric – Quest
Nominal Composition – 100% Post Consumer Recycled Polyester
Nominal Weight – 452 grams/lineal meter
End Use – Task Seating, Soft Seating, Panels

Client Order No.:

Client Reference:

8 of 9



"THIS REPORT APPLIES ONLY TO THE SAMPLES TESTED"
Samples and their identifying descriptions have been provided by the client unless otherwise stated. NZWTA Ltd makes no warranty, implied or otherwise as to the source of the tested samples. The above results are designed to provide THE CLIENT WITH GUIDANCE INFORMATION ONLY. This document shall not be reproduced except in full.

L A Greer
Signatory


C Judan
Signatory

13/12/2021