

No. 1583331.2B

(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: 8.9.25

SAMPLE DESCRIPTION:
Grey upholstery fabric – Product STRATA
Nominal Composition – 100% Polyester
Nominal Weight – 470g per lineal meter

Client Order No.:

Client Reference:

1 of 2

GROUP NUMBER ASSESSMENT

(In accordance with AS 5637.1-2015)

Testing was performed in accordance with AS/NZS 3837-1998 method of test for heat and smoke release rates for materials and products using an oxygen consumption calorimeter.

As per AS 5637.1 clause 9(n) it was valid to test this particular material / system in the cone calorimeter for the assignment of a NCC Group Number.

Note: This test was sub-contracted (Test No. 25-003844).

Product Group Number Classification:

1

Average Specific Extinction Area

136.8 m²/kg**"THIS REPORT APPLIES ONLY TO THE SAMPLES TESTED"**

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Key Technical Person

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NZWTA
WOOL TESTING



NZWTA
TEXTILES AND
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AS/NZS 3837-1998 – METHOD OF TEST FOR HEAT AND SMOKE RELEASE RATES FOR MATERIALS AND PRODUCTS USING OXYGEN CONSUMPTION CALORIMETER

Note: This test was sub-contracted (Test No. 25-003844).

	1	Specimens 2	3	Mean
Average Heat Release Rate:	46.2	44.7	40.1	43.7 kW/m ²
Average Specific Extinction Area:	127.0	137.3	146.1	136.8 m ² /kg

	1	Specimens 2	3	Mean
Test Orientation: Horizontal	1	2	3	Mean
Irradiance	50	50	50	50 kW/m ²
Exhaust Flow Rate	0.024	0.024	0.024	0.024 m ³ /s
Time to Sustained Flaming	154	186	158	166 sec.
Test Duration	501	541	567	536 sec.
Peak Heat Release After Ignition	159.6	148.3	191.9	166.6 kW/m ²
Average Heat at 60 s	111.5	113.3	125.0	116.6 kW/m ²
Average Heat at 180 s	70.8	69.0	69.1	69.6 kW/m ²
Average Heat at 300 s	51.1	50.2	50.1	50.5 kW/m ²
Total Heat Released	16.1	15.9	16.4	16.1 MJ/m ²
Average Effective Heat of Combustion	10.3	9.2	10.8	10.1 MJ/kg
Initial Thickness	7	7	7	7 mm
Initial Mass	89.6	94	89.5	91.0 g
Mass Remaining	76.7	79.6	77.0	77.7 g
Mass Percentage Pyrolysed	14.4	15.3	14.0	14.6 %
Mass Loss	1.6	1.8	1.5	1.6 kg/m ²
Average Rate of Mass Loss	4.5	4.9	3.7	4.4 g/m ² .s

Additional Observations: Nil
Difficulties Encountered During Testing: Nil

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

Retainer grid was used to contain the test specimen within the sample holder.

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.

The results of these fire tests may be used to directly assess fire hazard, but it should be recognised that a single test method will not provide a full assessment of the fire hazard under all fire conditions.

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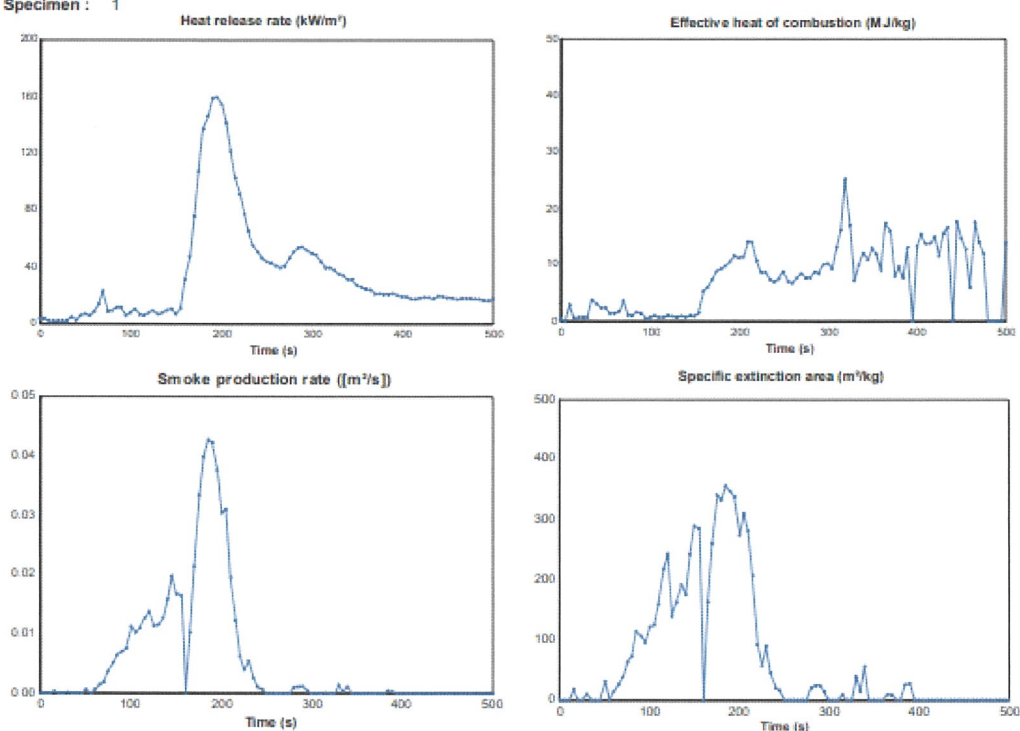
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Specimen : 1



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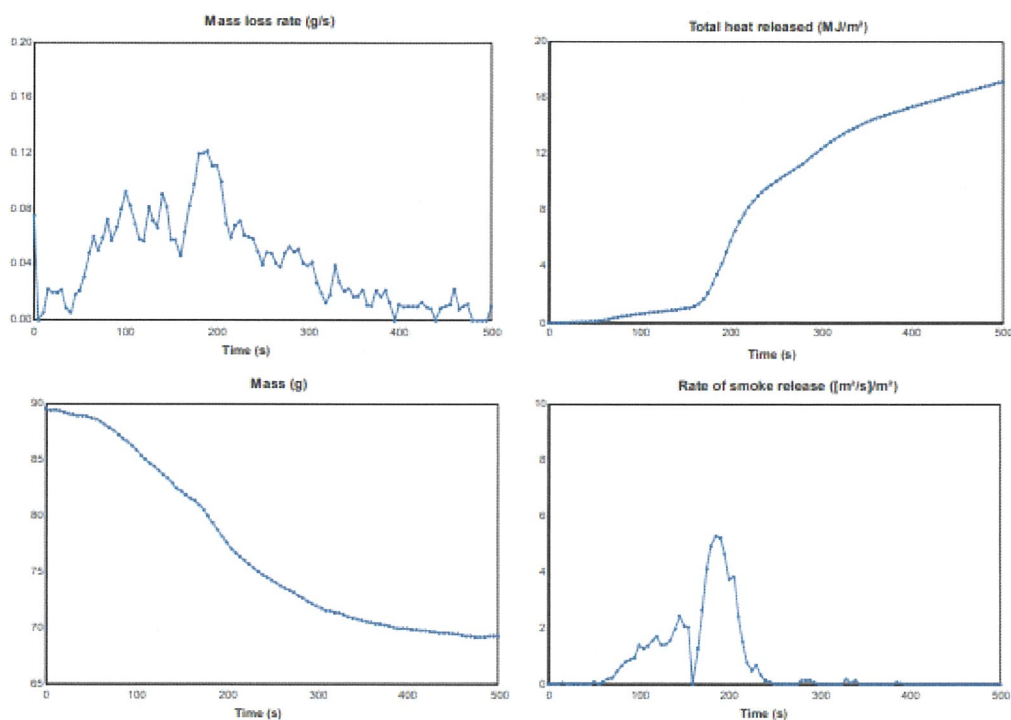
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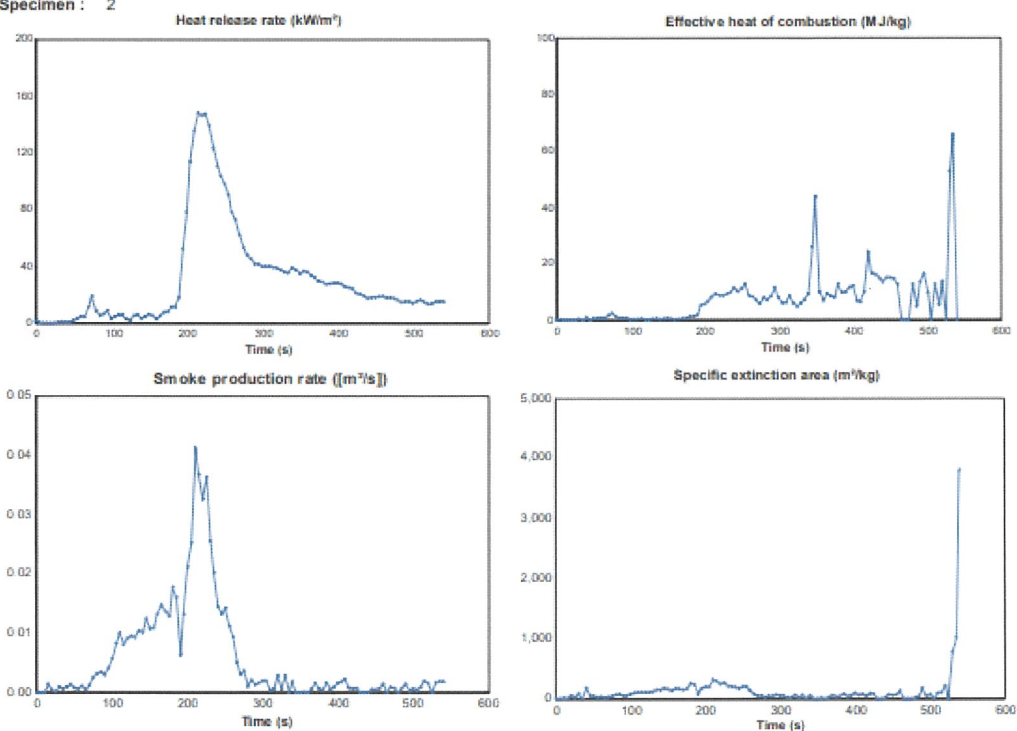
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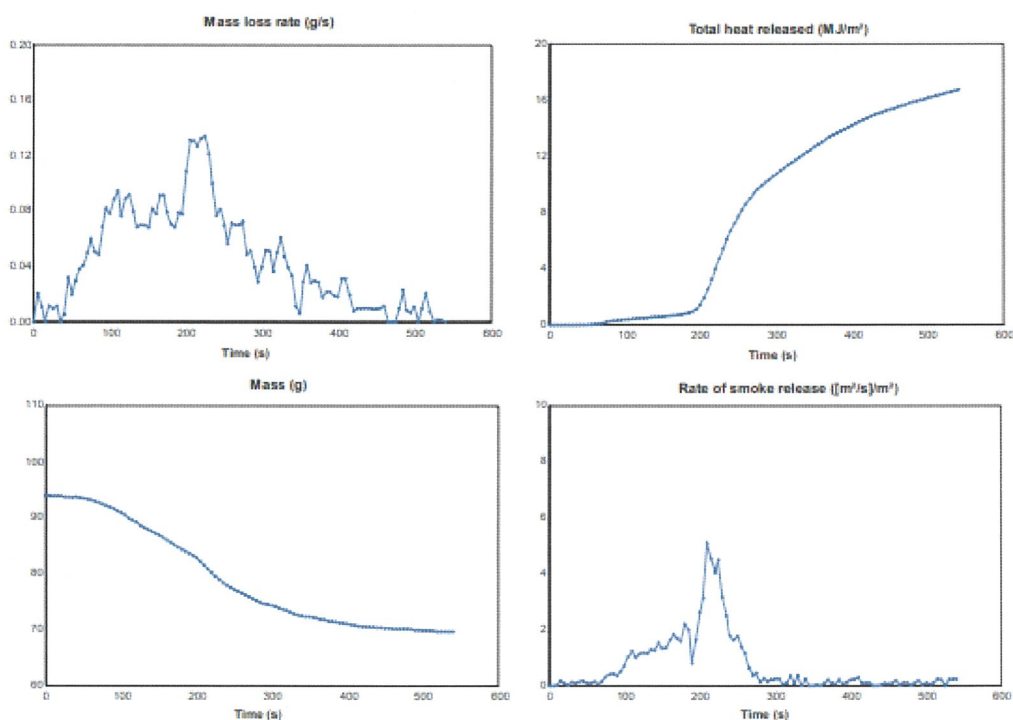
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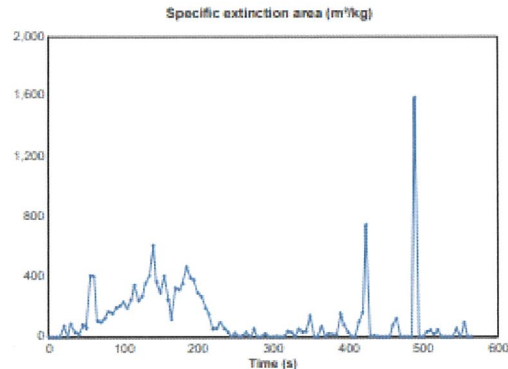
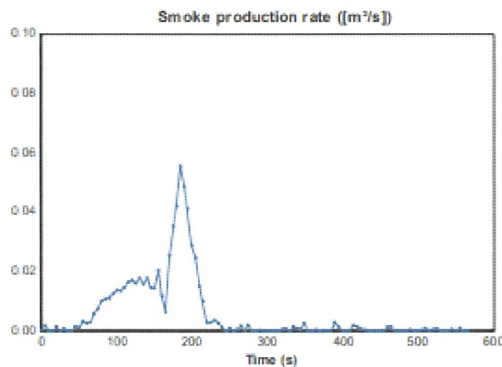
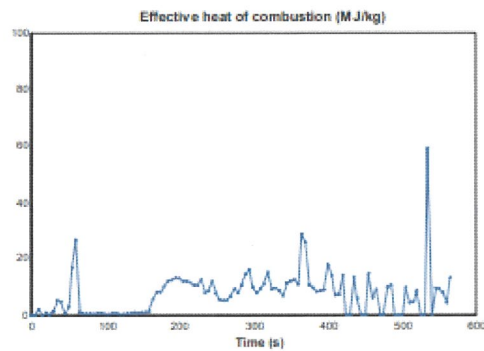
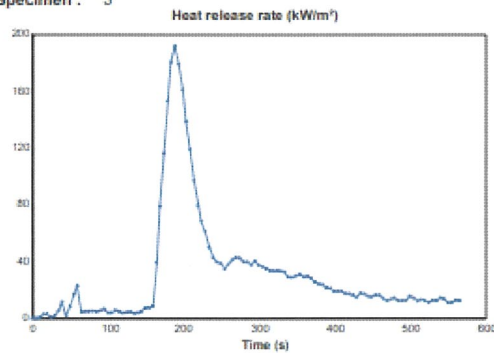
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Specimen : 3



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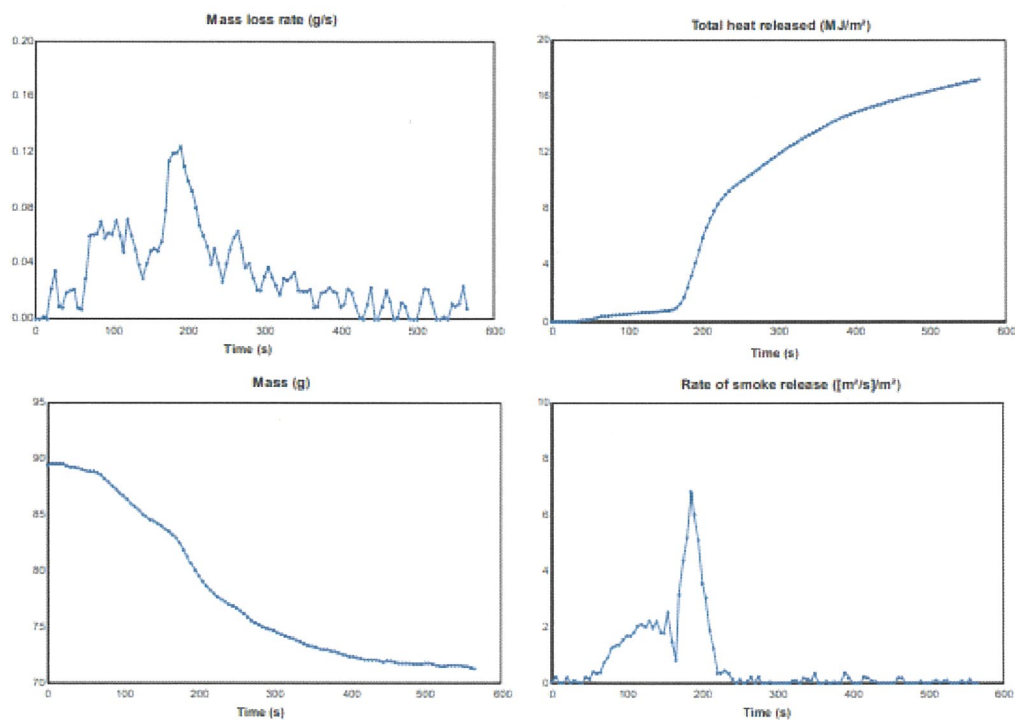
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