



No. 1315725.0

(Please quote this number in all correspondence)

CLIENT: At Work
 PO Box 37 378
 Parnell, Auckland

SAMPLE RECEIVED FROM:
 At Work

Date Received: 3.2.20

SAMPLE DESCRIPTION:
 Multi colour woven fabric – Traverse
 Nominal Composition – 76% Wool 24% Nylon
 Nominal Weight – 726g lineal metre
 End Use – Upholstery, Panel

Client Order No.: Client Reference: 1 of 14

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. 20-000602).

	Specimens						Mean
	1	2	3	4	5	6	
Average Heat Release Rate:	36.5	35.1	37.0	36.2	35.9	38.8	36.6 kW/m ²
Average Specific Extinction Area: (According to Specification C1.10 of the Building Code of Australia)	25.5	51.7	10.9	17.9	22.9	13.2	23.7 m ² /kg

Group Number Classification: **3**
 (In Accordance with AS 5637.1-2015)

Test Orientation: Horizontal

	Specimens						Mean
	1	2	3	4	5	6	
Irradiance	50	50	50	50	50	50	50 kW/m ²
Exhaust Flow Rate	0.024	0.024	0.024	0.024	0.024	0.024	0.024 m ³ /s
Time to Sustained Flaming	9	8	12	13	9	12	11 sec.
Test Duration	363	349	331	573	598	578	465 sec.
Peak Heat Release After Ignition	198.0	198.2	197.6	253.2	196.8	233.0	212.8 kW/m ²
Average Heat at 60 s	109.0	102.4	108.6	133.6	126.4	126.3	117.7 kW/m ²
Average Heat at 180 s	51.0	40.6	58.0	67.6	63.4	70.0	58.4 kW/m ²
Average Heat at 300 s	38.7	35.2	45.2	52.4	50.6	56.0	46.3 kW/m ²
Total Heat Released	12.9	11.8	16.4	20.3	21.2	21.9	17.4 MJ/m ²
Ave. Effective Heat of Combustion	7.4	7.0	8.3	8.9	9.6	9.9	8.5 MJ/kg
Initial Thickness	7	7	7	7	7	7	7 mm
Initial Mass	91.3	90.3	90.0	91.4	90.9	90.8	90.8 g
Mass at Sustained Flaming	91.3	89.9	90.0	91.4	90.9	90.7	90.7 g
Mass Remaining	77.3	76.0	74.1	72.8	73.0	72.7	74.3 g
Mass Percentage Pyrolysed	15.4	15.8	17.7	20.3	19.7	19.9	18.1 %
Mass Loss	1.7	1.8	2.0	2.3	2.2	2.2	2.0 kg/m ²
Average Rate of Mass Loss	4.9	5.1	4.5	4.0	3.8	3.9	4.4 g/m ² .s

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Additional Observations: 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.

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.

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

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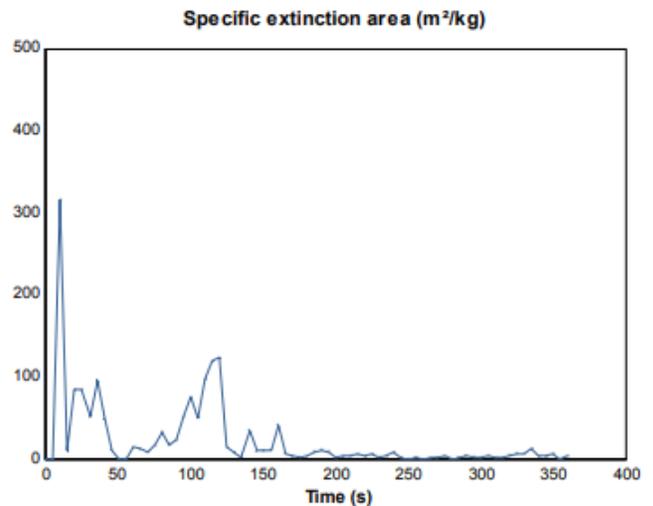
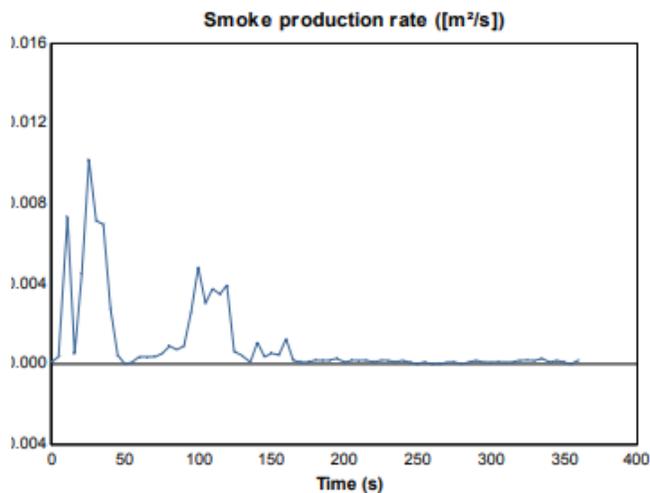
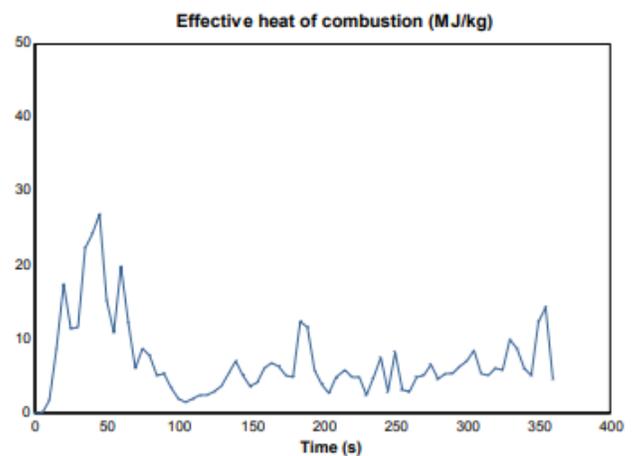
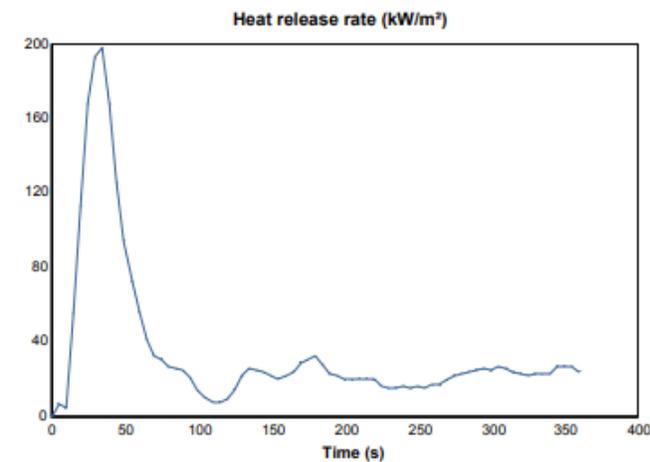
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Specimen : 1



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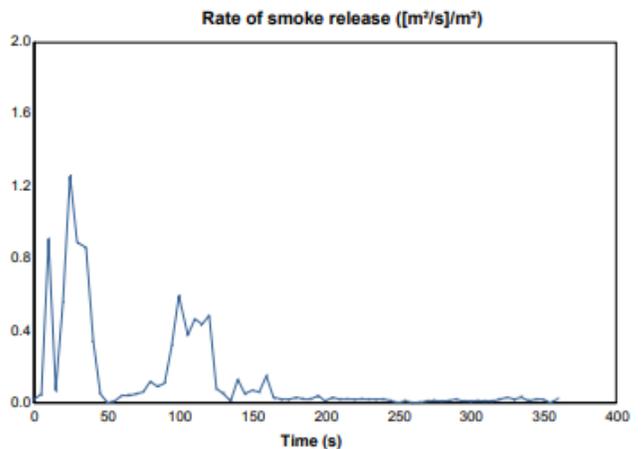
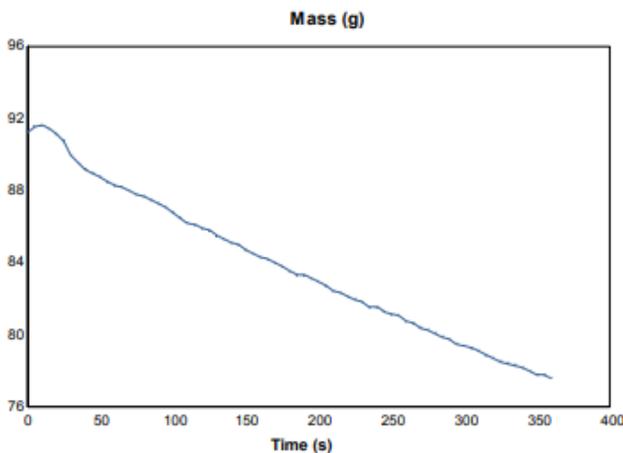
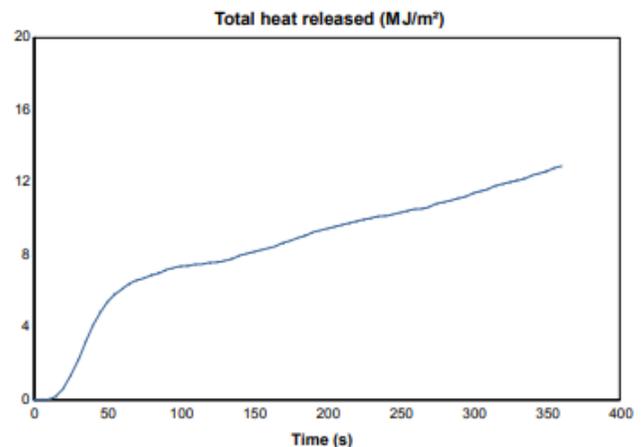
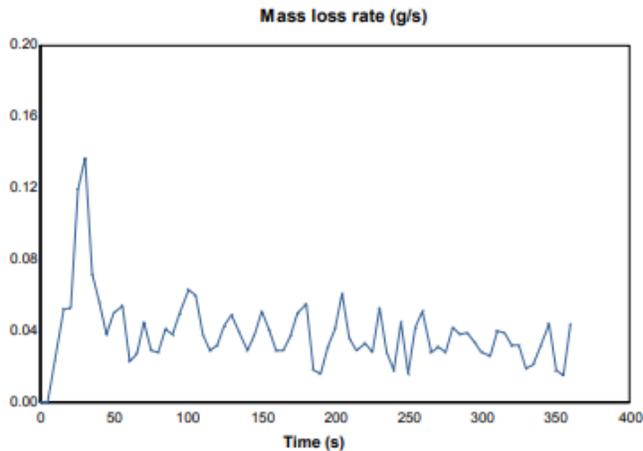
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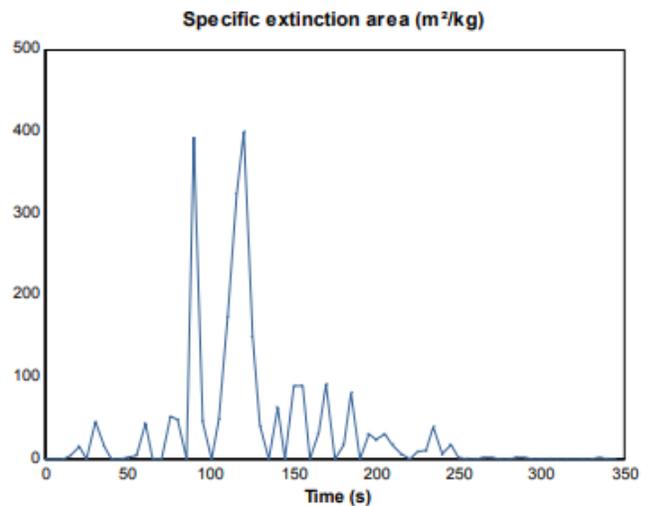
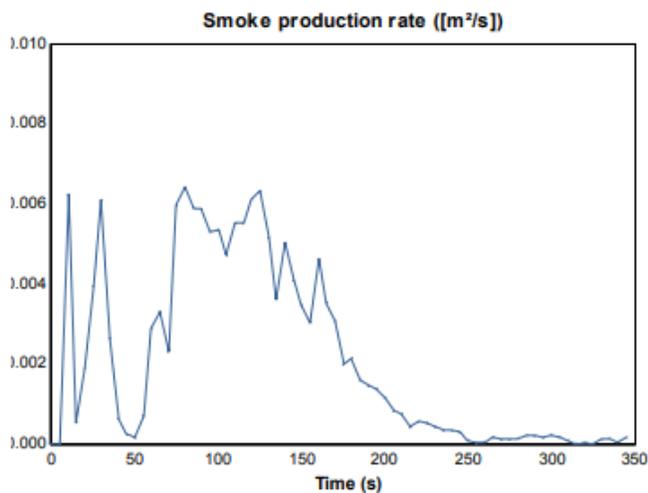
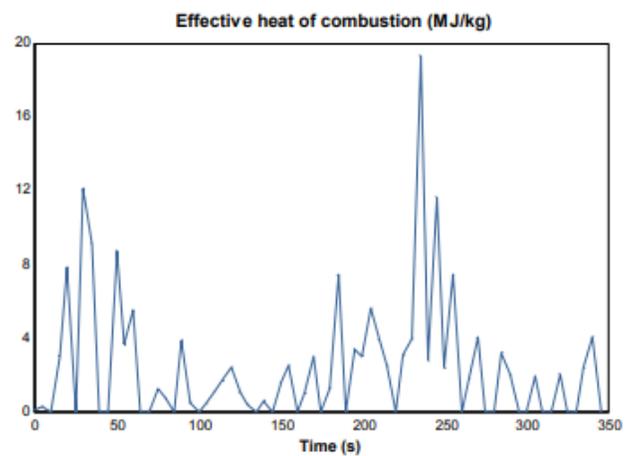
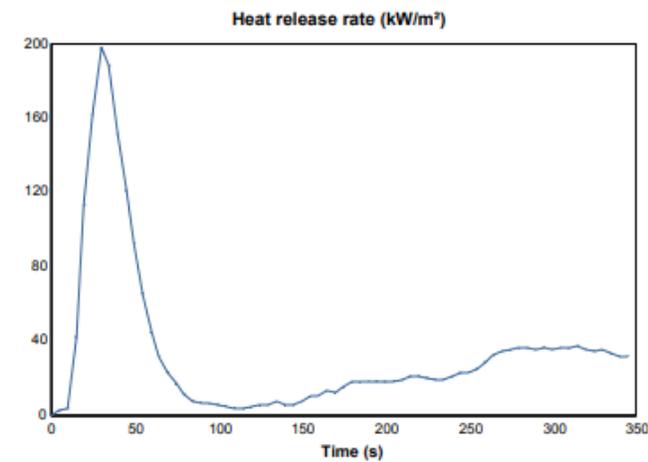
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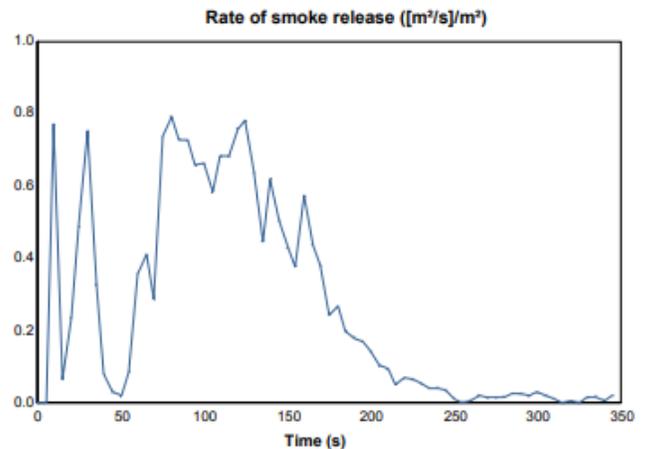
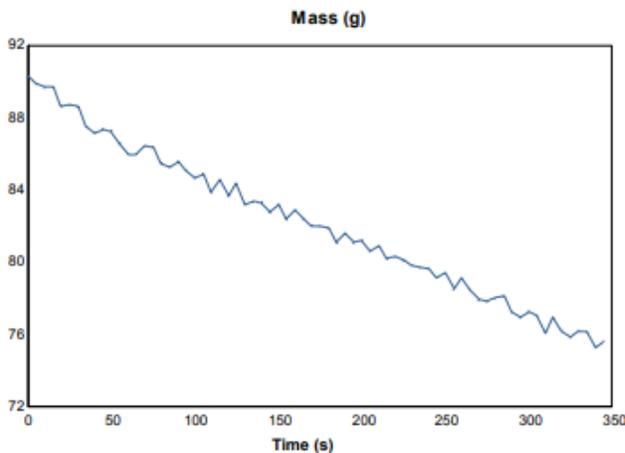
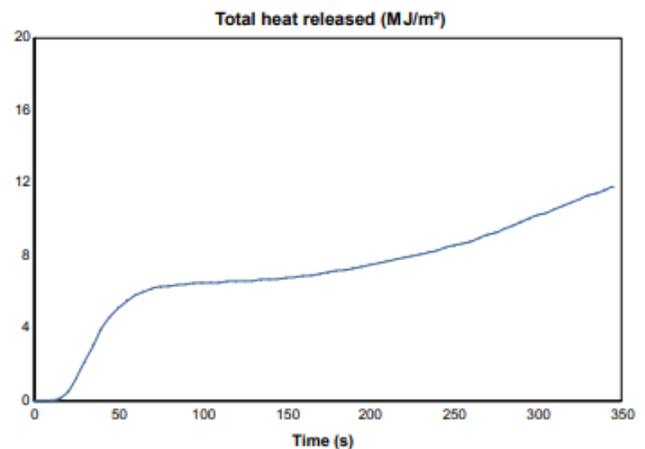
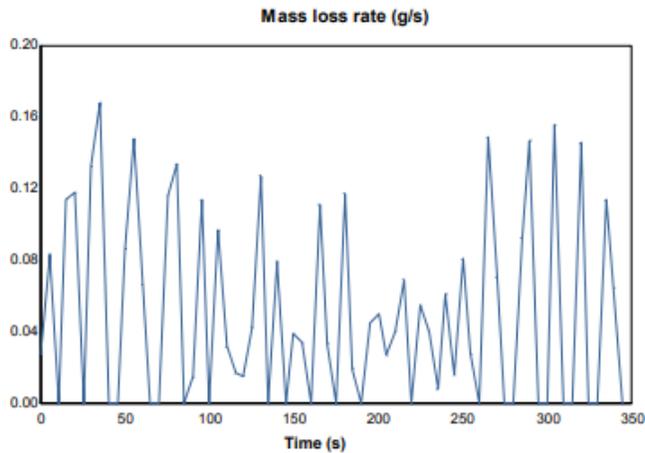
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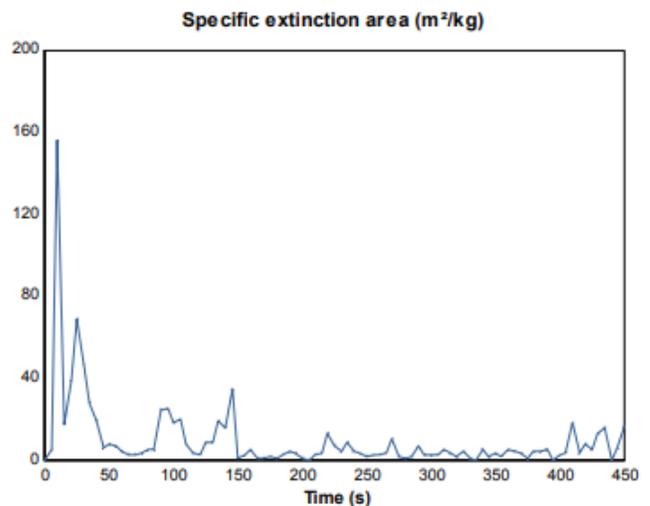
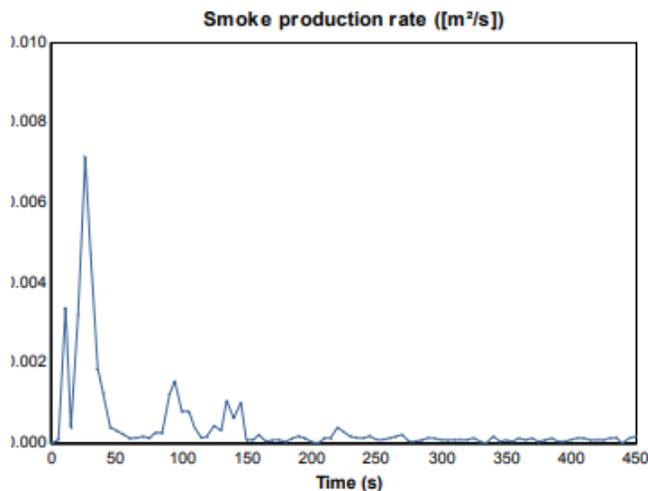
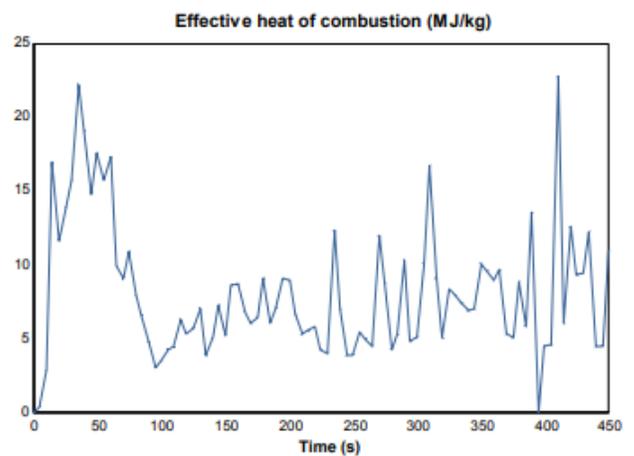
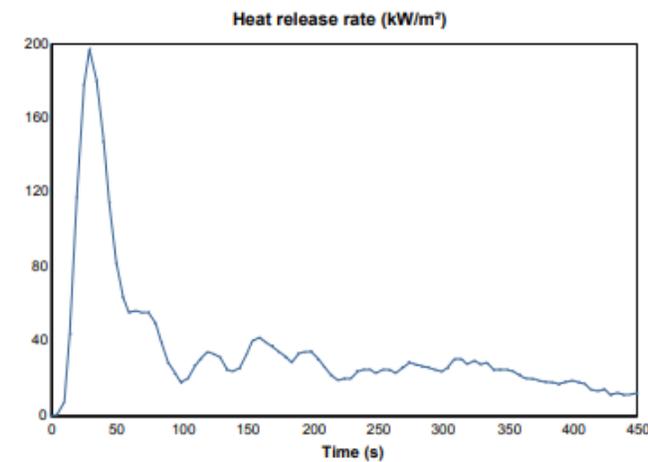
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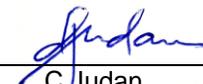
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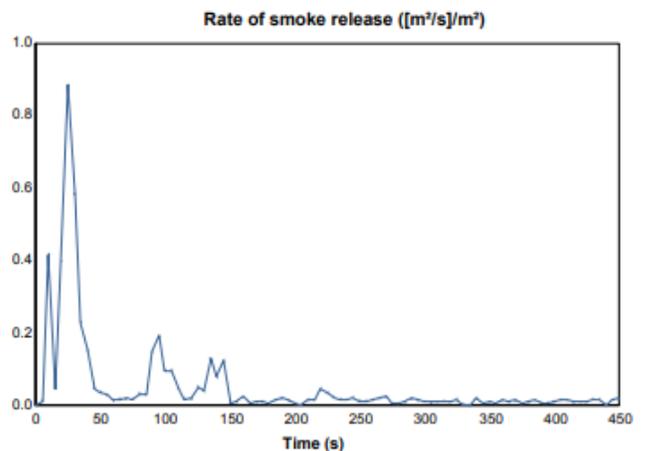
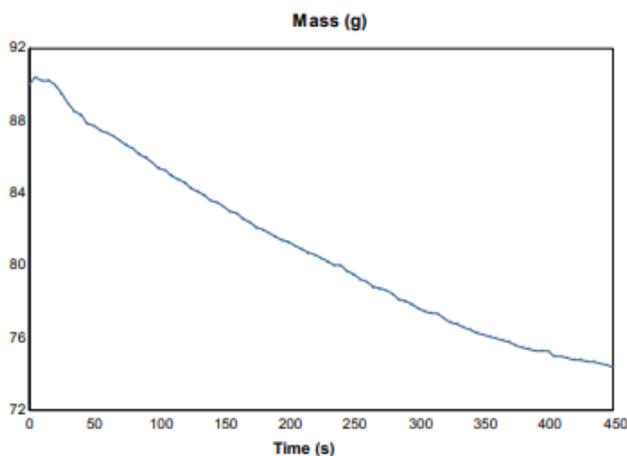
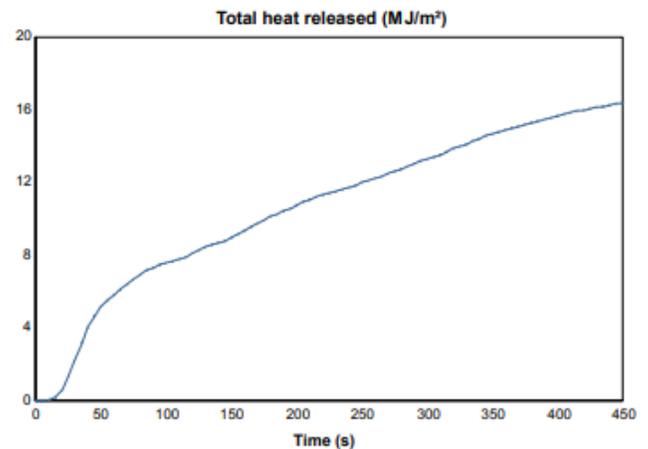
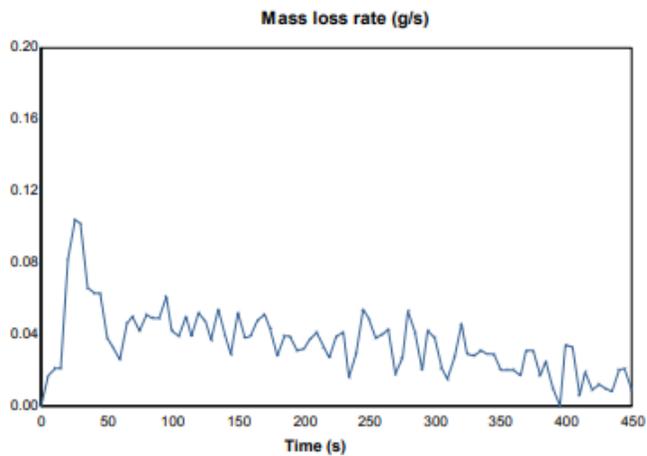
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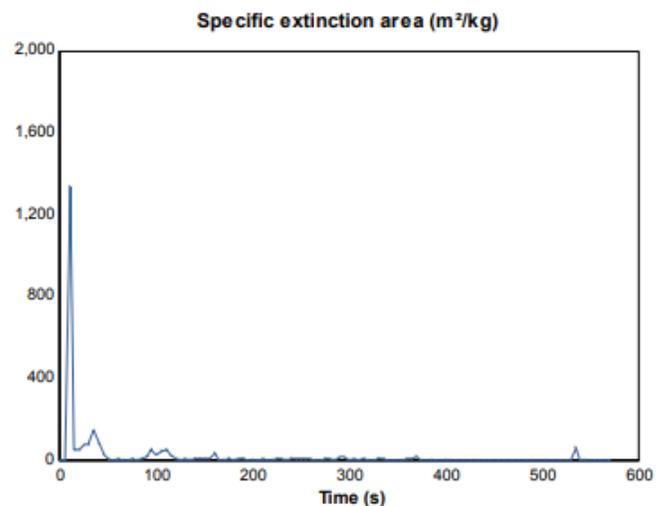
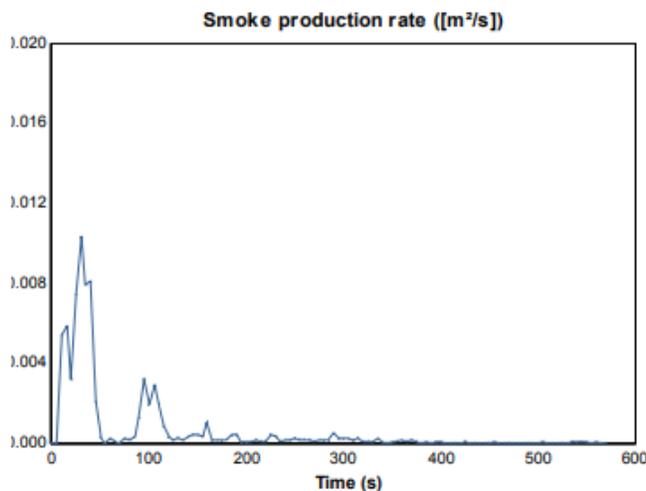
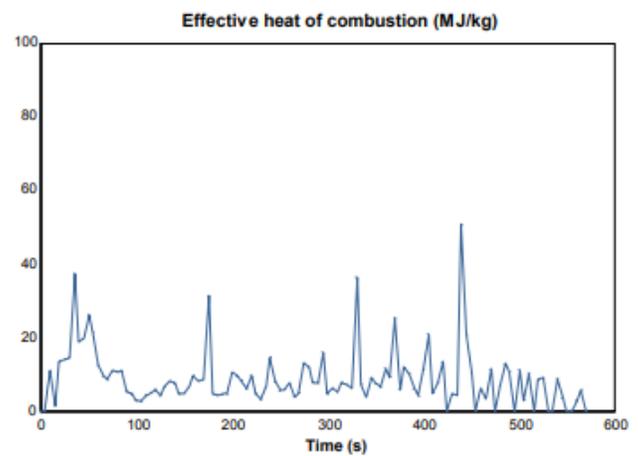
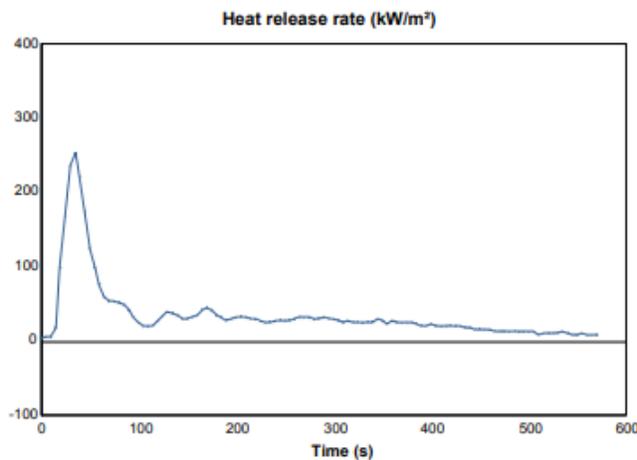
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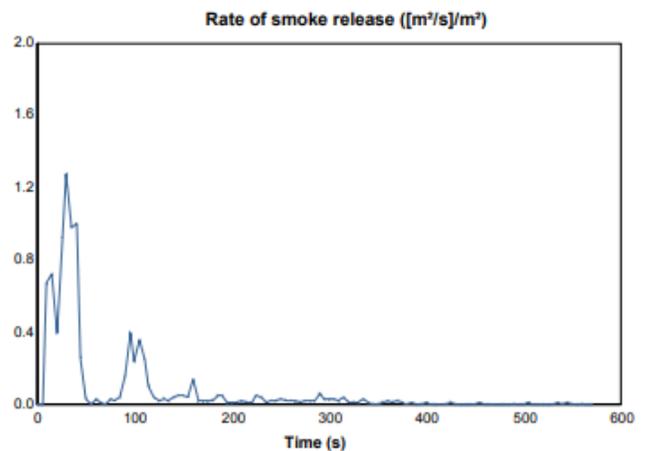
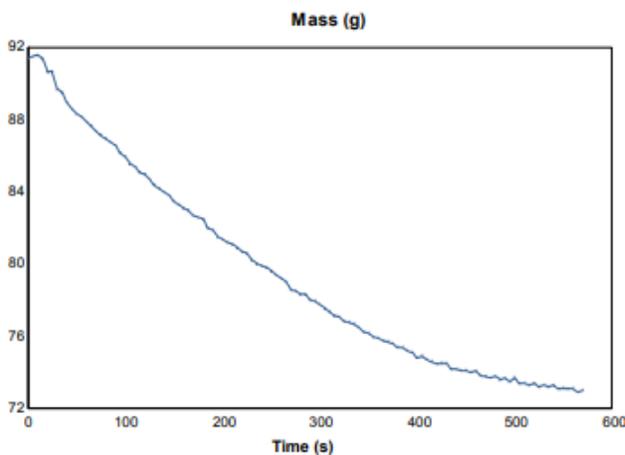
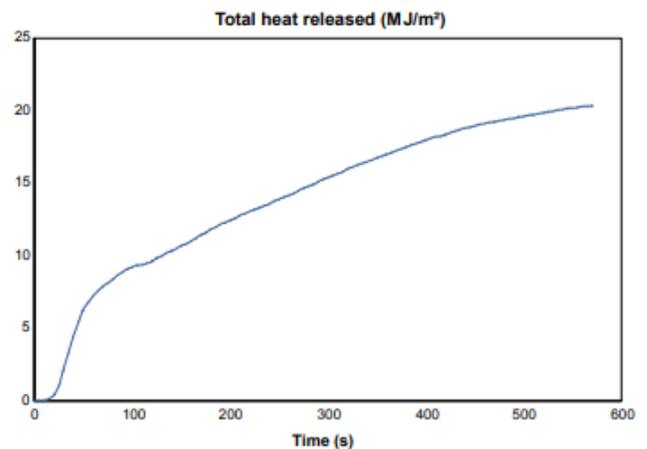
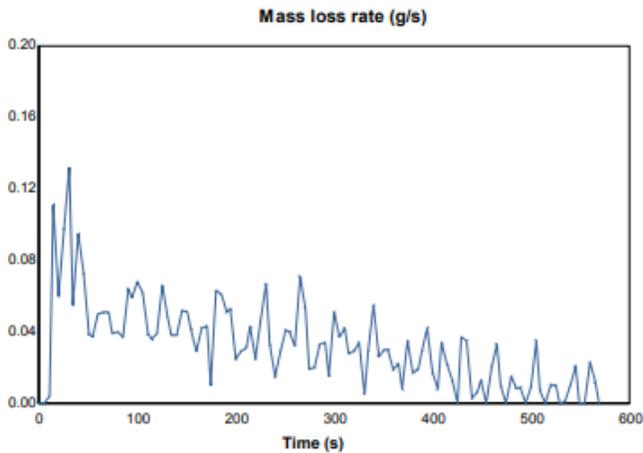
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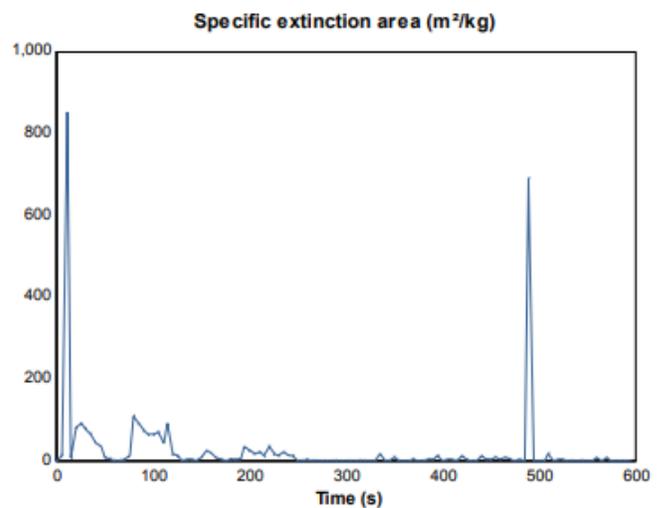
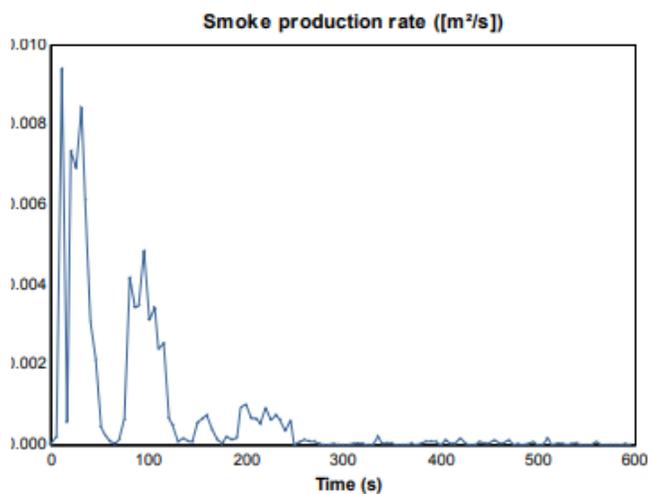
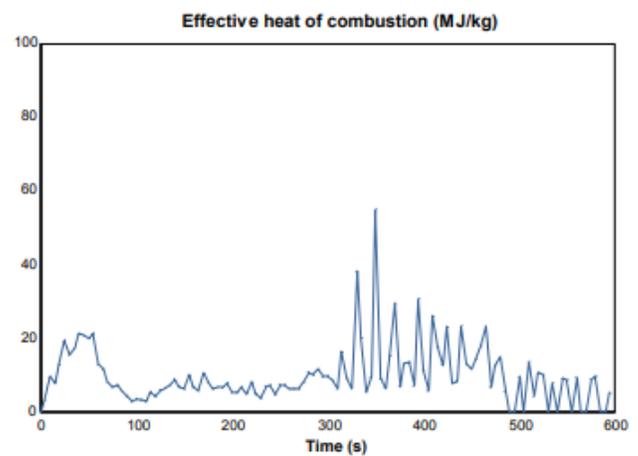
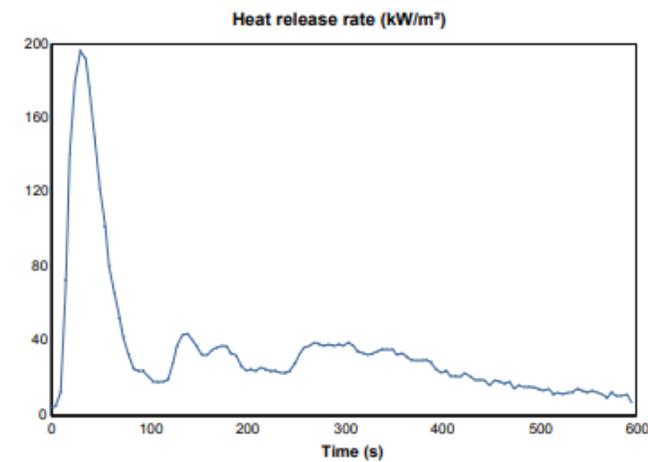
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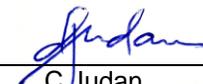
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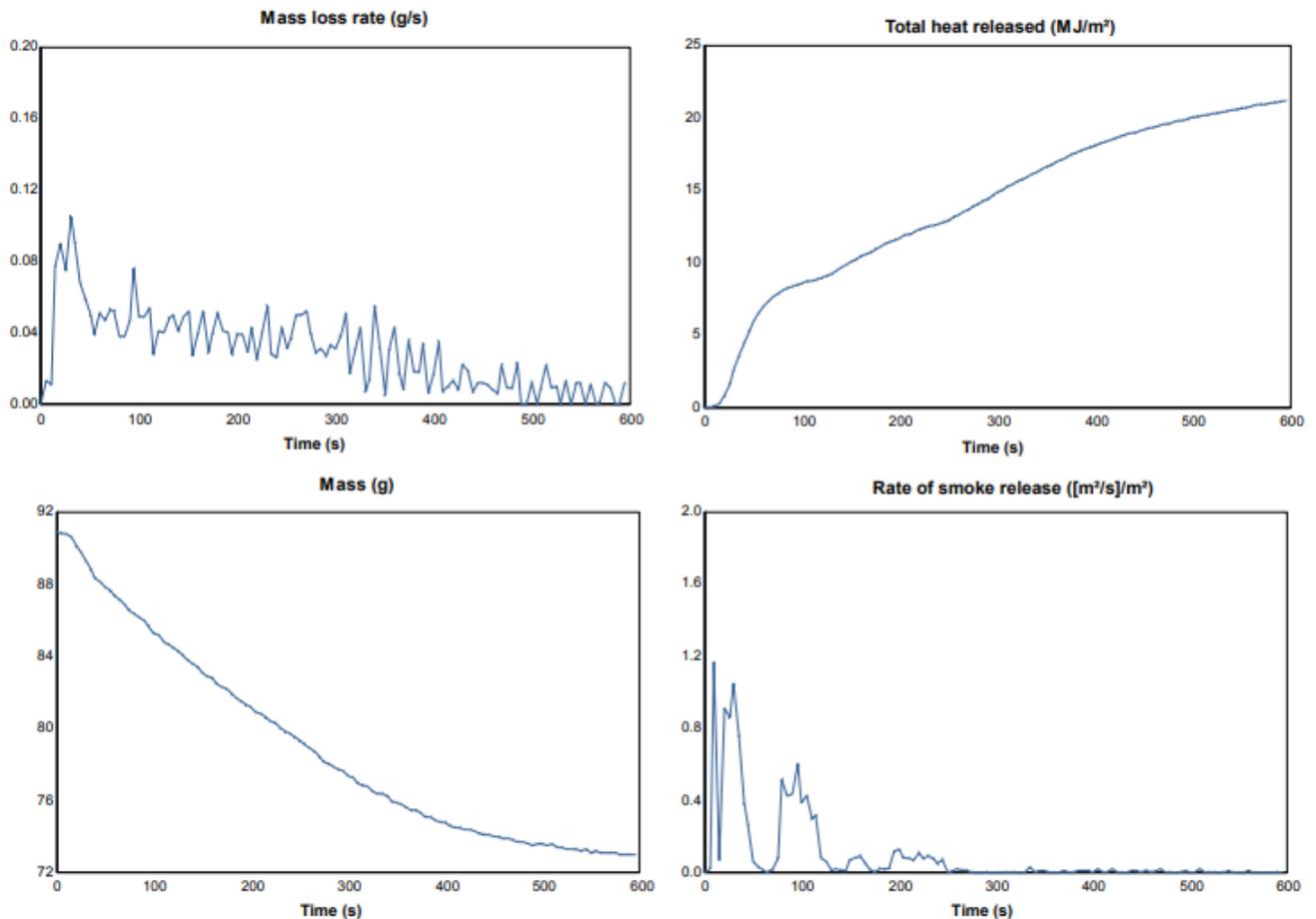
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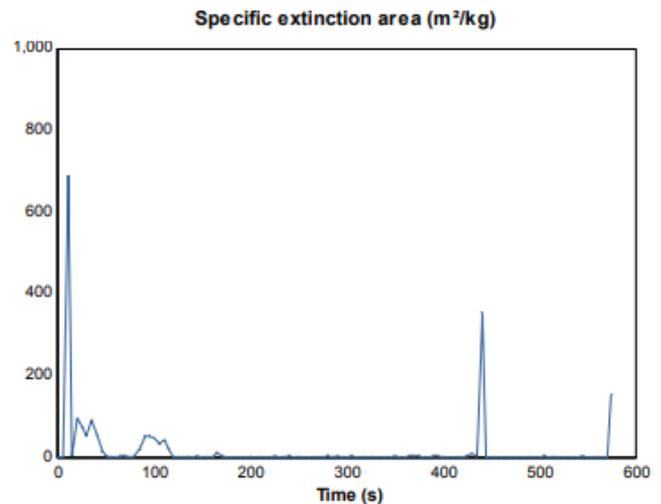
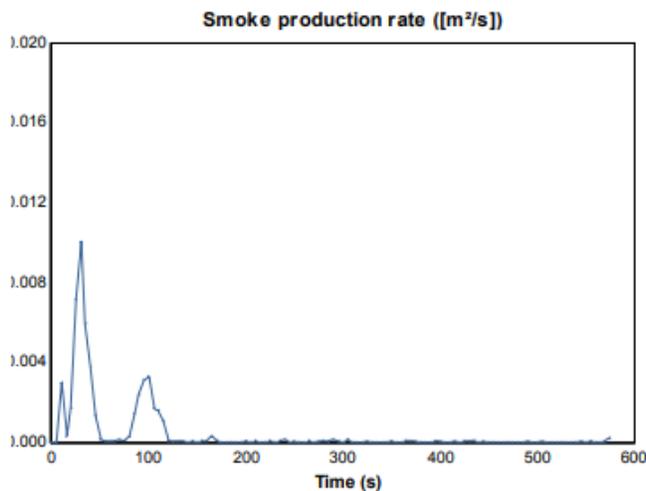
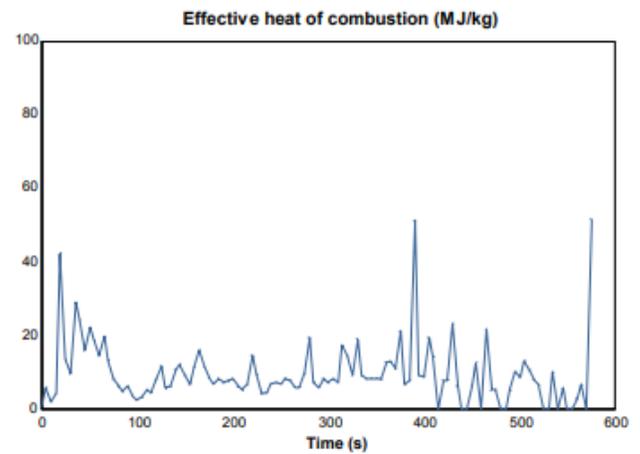
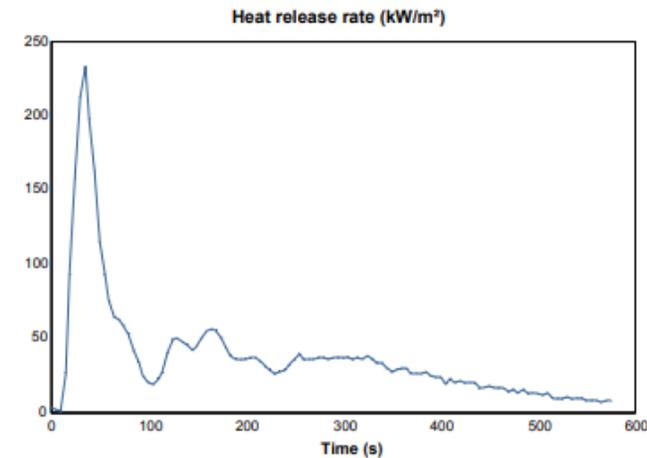
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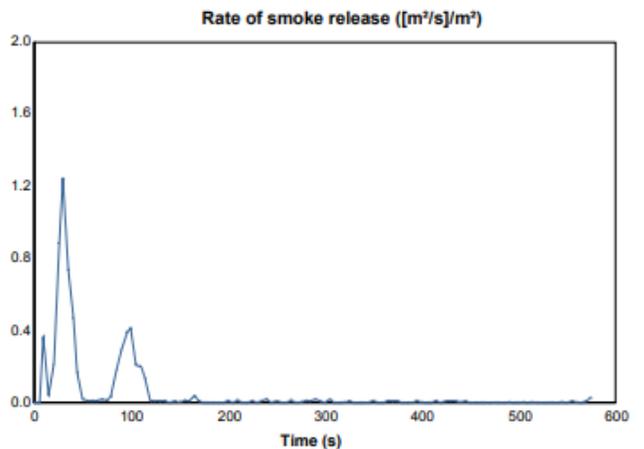
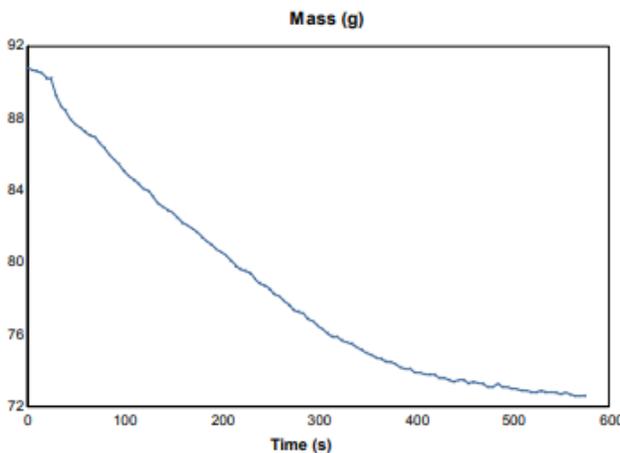
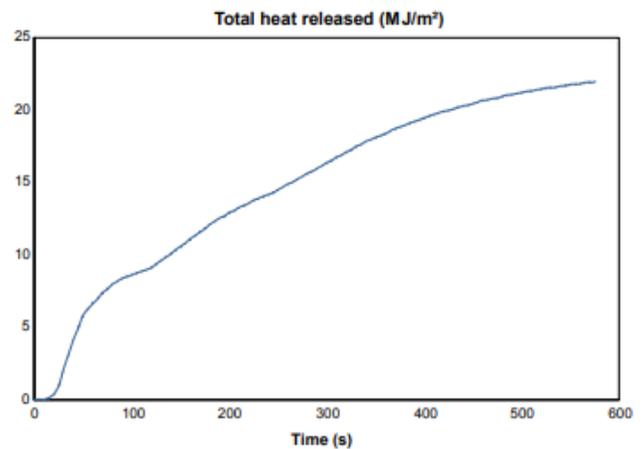
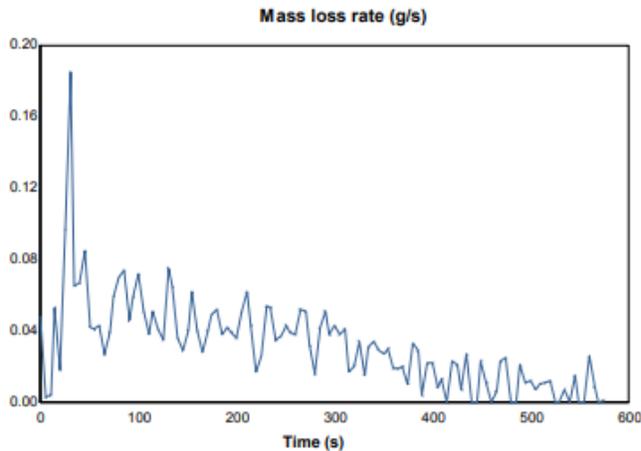
Date Received: 3.2.20

SAMPLE DESCRIPTION:
Multi colour woven fabric – Traverse
Nominal Composition – 76% Wool 24% Nylon
Nominal Weight – 726g lineal metre
End Use – Upholstery, Panel

Client Order No.:

Client Reference:

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“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

30/03/2020