

# AWTA PRODUCT TESTING

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Australian Wool Testing Authority Ltd - trading as AWTa Product Testing  
A.B.N 43 006 014 106  
1st Floor, 191 Racecourse Road, Flemington, Victoria 3031  
P.O Box 240, North Melbourne, Victoria 3051  
Phone (03) 9371 2400 Fax (03) 9371 2499

## MICHELANGELO BASE CLOTH

### Group Number Assessment

(In accordance with AS 5637.1-2015)

This is to confirm that the product as described below has been tested by AWTa Product Testing .

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.

**Test Number** : 19-005890  
**Issue Date** : 14/10/2019  
**Print Date** : 14/10/2019

#### Sponsor Product

Crepe Woven Fabric  
Colour : White  
End Use : Wall covering/ Panels  
Nominal Composition : 100% Polyester  
Nominal Mass per Unit Area/Density : 275g/m<sup>2</sup>

Product Group Number Classification : 1

Average Specific Extinction Area : 87.0 m<sup>2</sup>/kg



Fiona McDonald  
Testing Technologist

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## TEST REPORT

Test Number : 19-005890  
Issue Date : 14/10/2019  
Print Date : 14/10/2019  
Order Number : 41514

### Sample Description

Crepe Woven Fabric  
Colour : White  
End Use : Wall covering/ Panels  
Nominal Composition : 100% Polyester  
Nominal Mass per Unit Area/Density : 275g/m<sup>2</sup>

**AS/NZS 3837-1998** Method of Test for Heat and Smoke Release Rates for Materials and Products using an Oxygen Consumption Calorimeter

Date Tested 14/10/2019  
Operator AWTa Test Operator 7  
Face Tested Face

### Specimen

	1	2	3	Mean	
Average Heat Release Rate	32.6	33.7	33.7	33.3	kW/m <sup>2</sup>
Average Specific extinction area	104.3	69.4	87.3	87.0	m <sup>2</sup> /kg

(according to Specification C1.10 of the Building Code of Australia)

Test orientation : Horizontal

### Specimen

	1	2	3	Mean	
Irradiance	50	50	50	50	kW/m <sup>2</sup>
Exhaust flow rate	0.024	0.024	0.024	0.024	m <sup>3</sup> /s
Time to sustained flaming	100	96	89	95	sec
Test duration	358	355	338	350	sec
Peak heat release after ignition	154.2	111.3	142.8	136.1	kW/m <sup>2</sup>
Average heat at 60 s	85.4	82.3	88.8	85.5	kW/m <sup>2</sup>
Average heat at 180 s	41.0	41.5	41.5	41.3	kW/m <sup>2</sup>
Average heat at 300 s	n/a	n/a	n/a	n/a	kW/m <sup>2</sup>

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- Chemical Testing : Accreditation No. 983  
- Mechanical Testing : Accreditation No. 985  
- Performance & Approvals Testing : Accreditation No. 1356



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MICHAEL A. JACKSON B.Sc.(Hons)  
MANAGING DIRECTOR

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Total heat released	8.4	8.6	8.4	8.5	MJ/m <sup>2</sup>
Average effective heat of combustion	6.1	5.8	6.2	6.0	MJ/kg
Initial thickness	6.5	6.5	6.5	6.5	mm
Initial mass	89.0	88.2	88.3	88.5	g
Mass at sustained flaming	85.9	85.5	86.1	85.8	g
Mass remaining	77.8	76.0	77.3	77.0	g
Mass percentage pyrolysed	12.6	13.8	12.4	13.0	%
Mass loss	1.4	1.5	1.4	1.4	kg/m <sup>2</sup>
Average rate of mass loss	5.4	5.8	5.4	5.5	g/m <sup>2</sup> .s
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 the 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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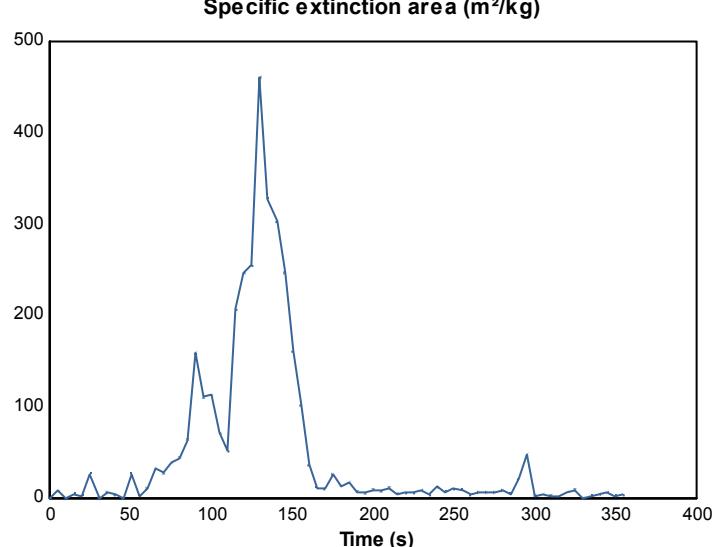
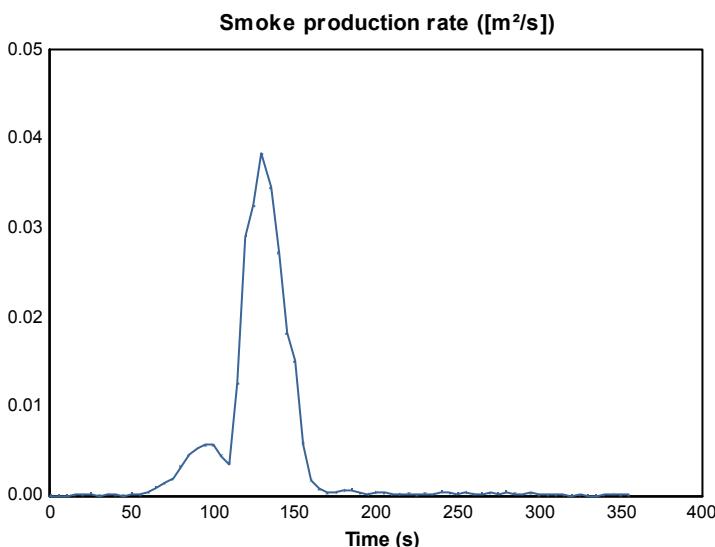
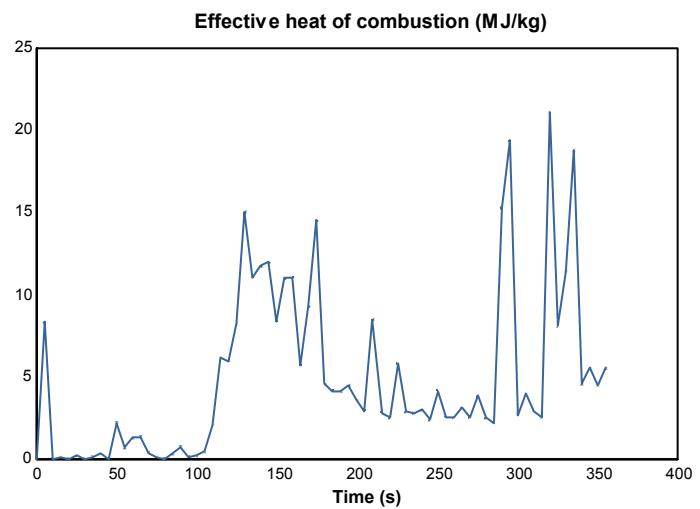
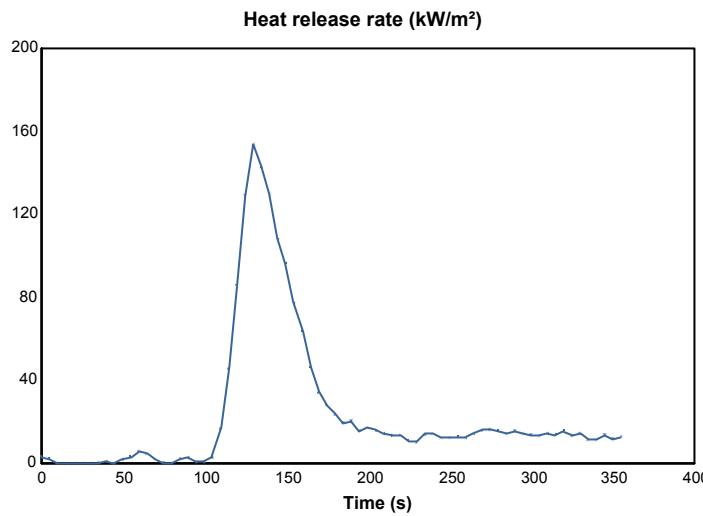
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## TEST REPORT

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Specimen : 1



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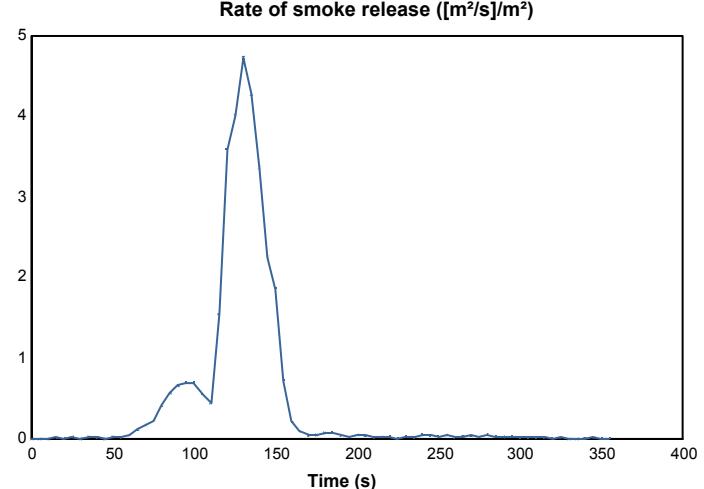
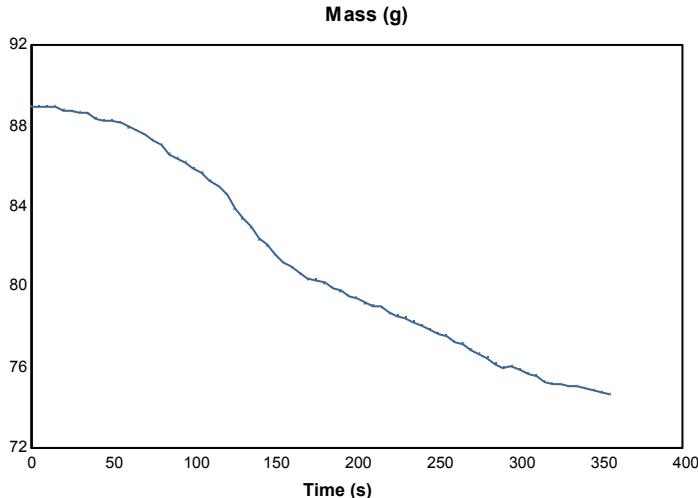
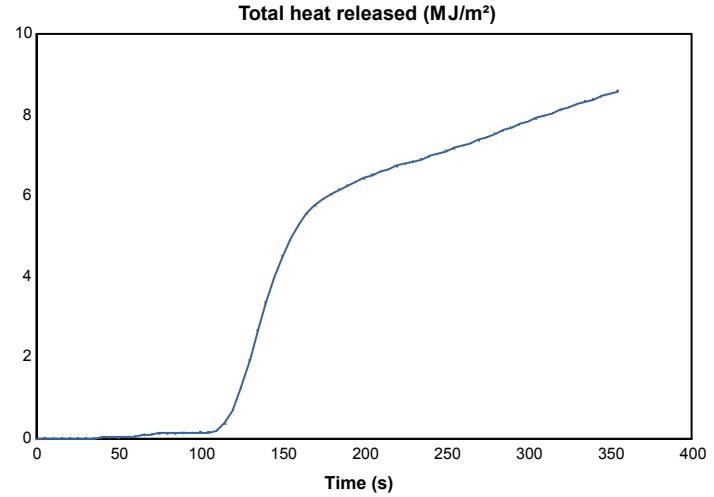
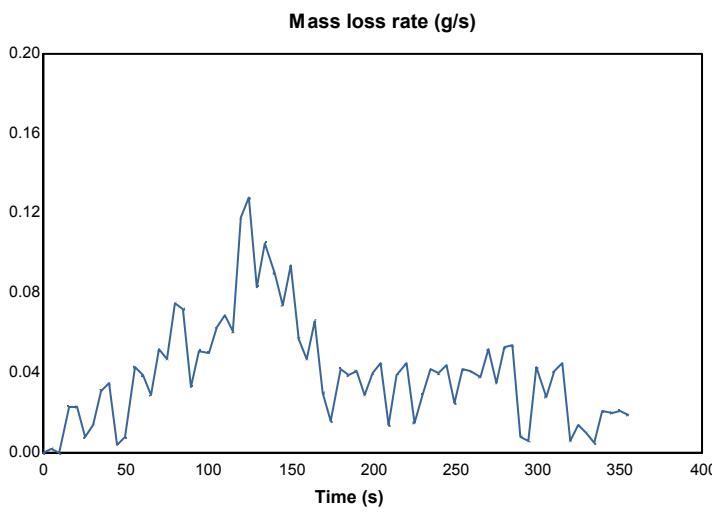
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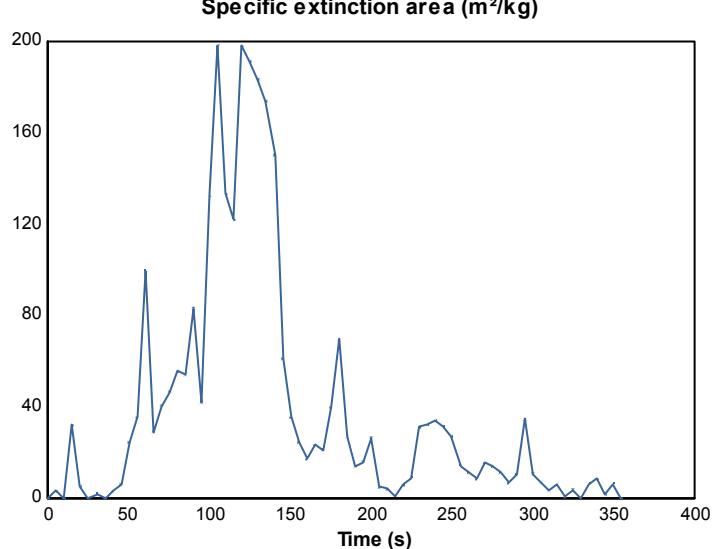
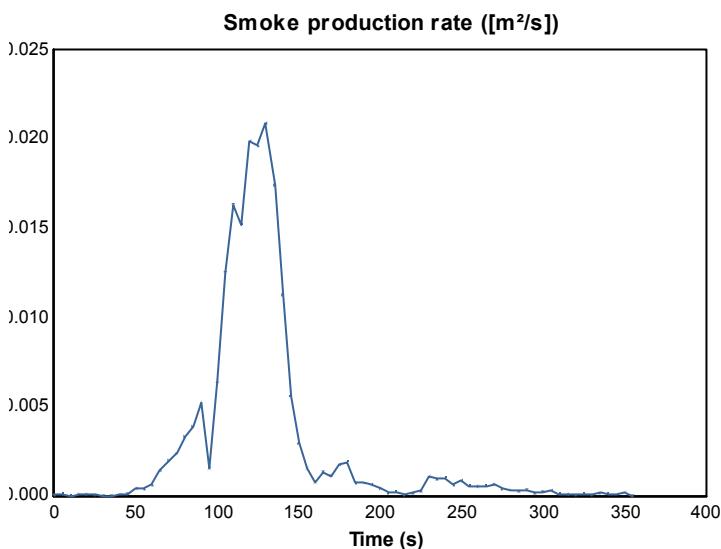
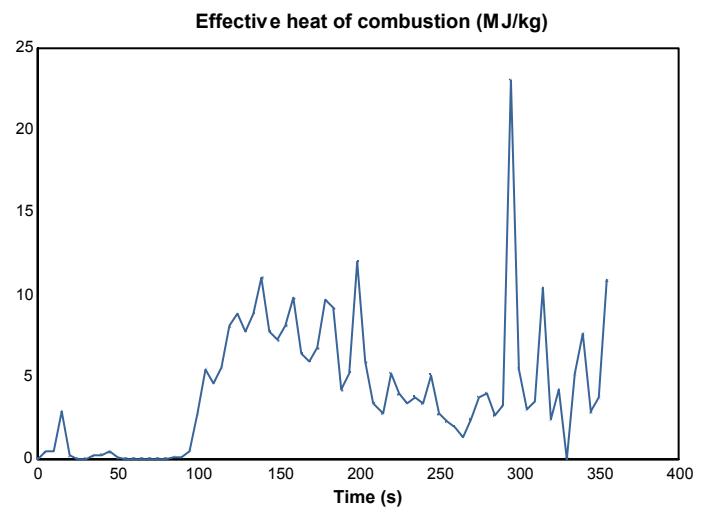
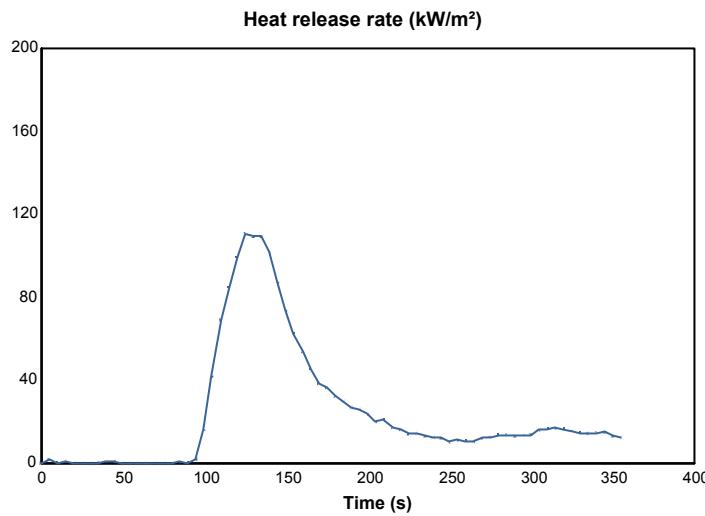
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Specimen : 2



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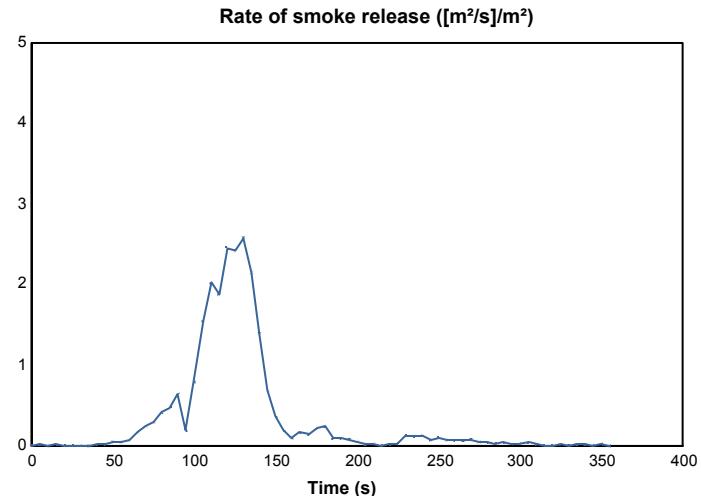
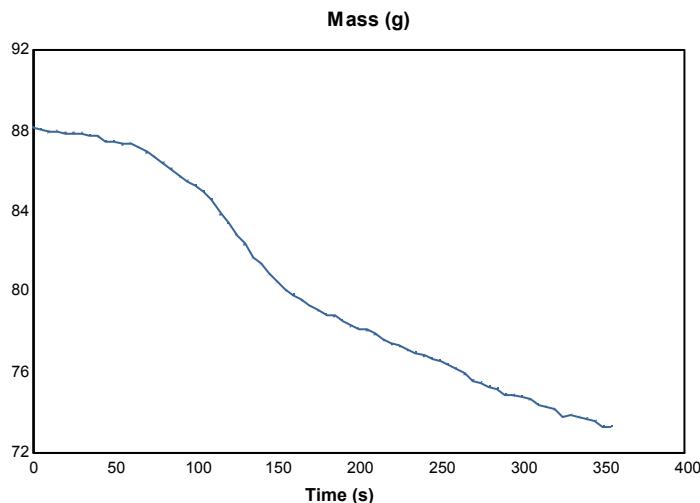
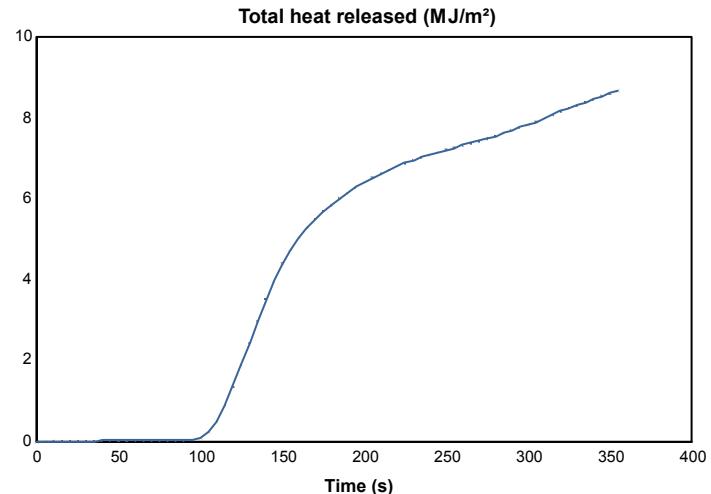
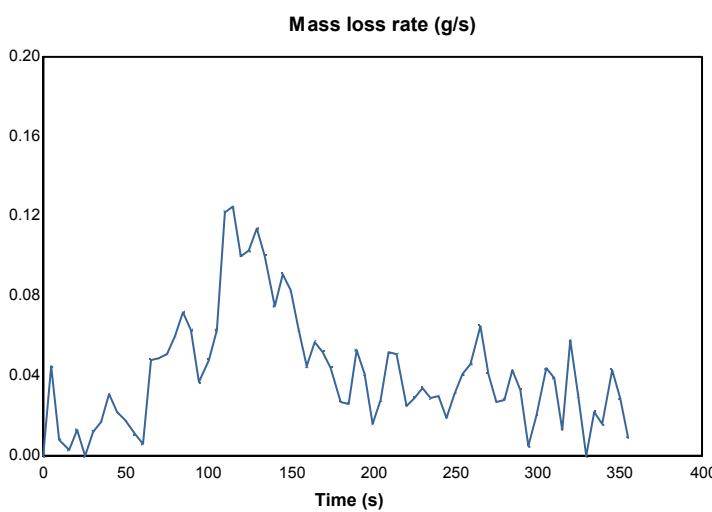
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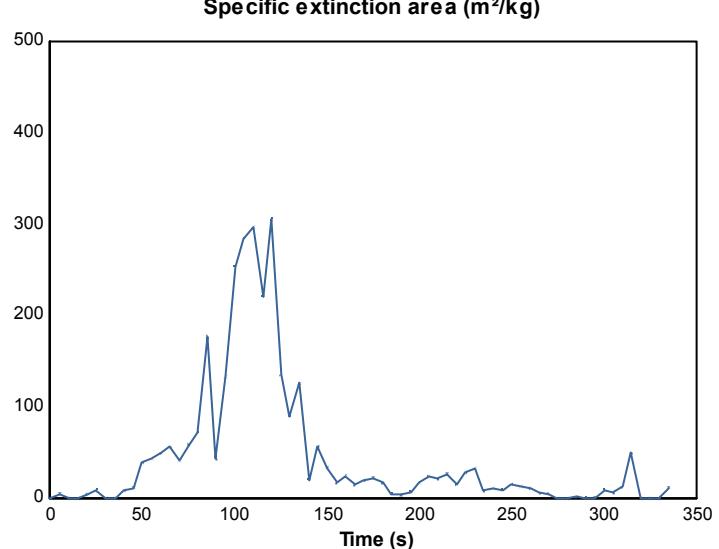
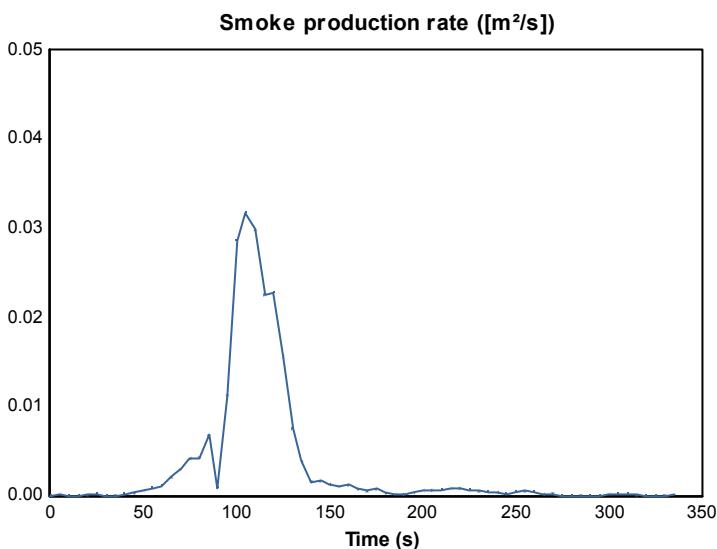
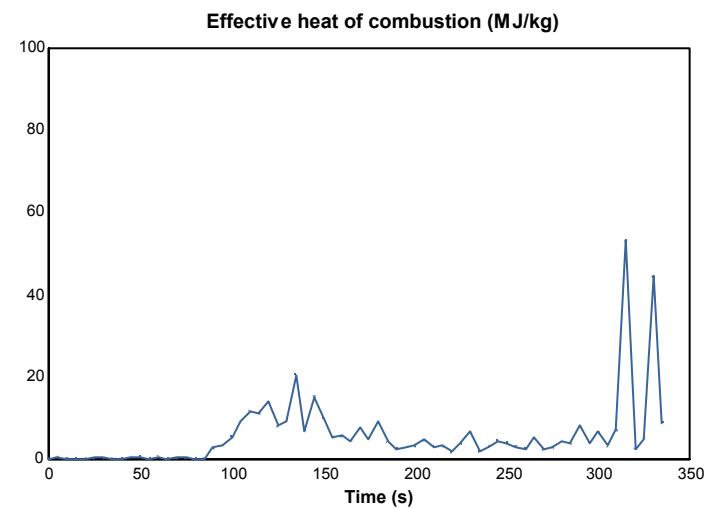
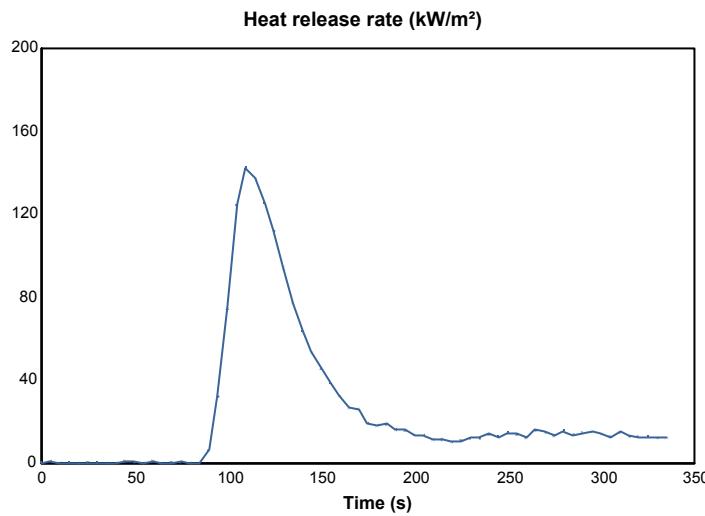
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Specimen : 3



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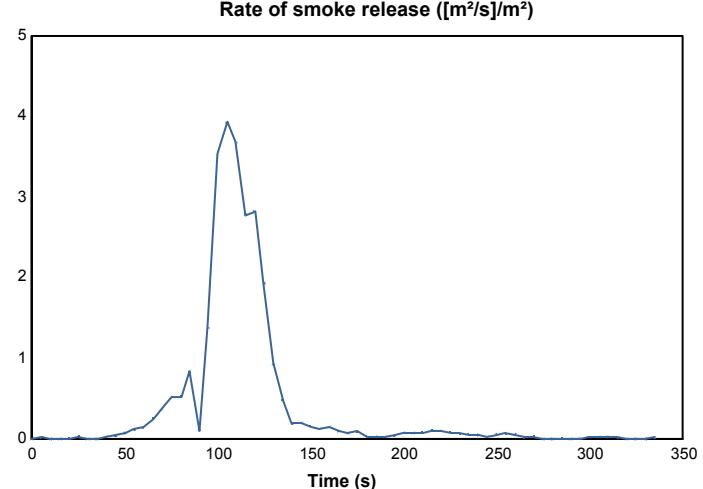
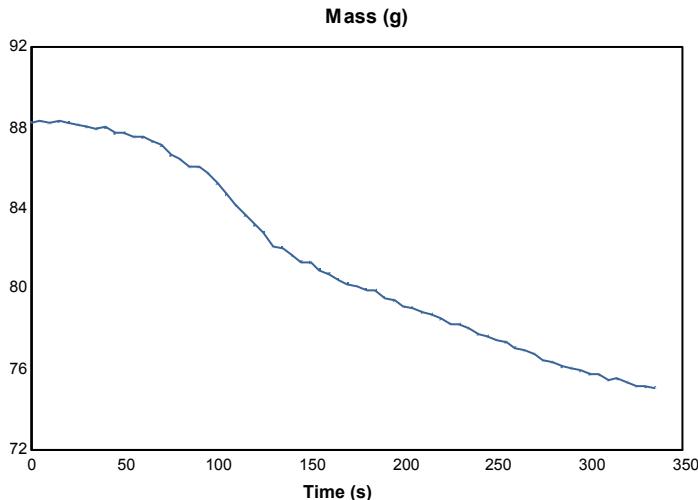
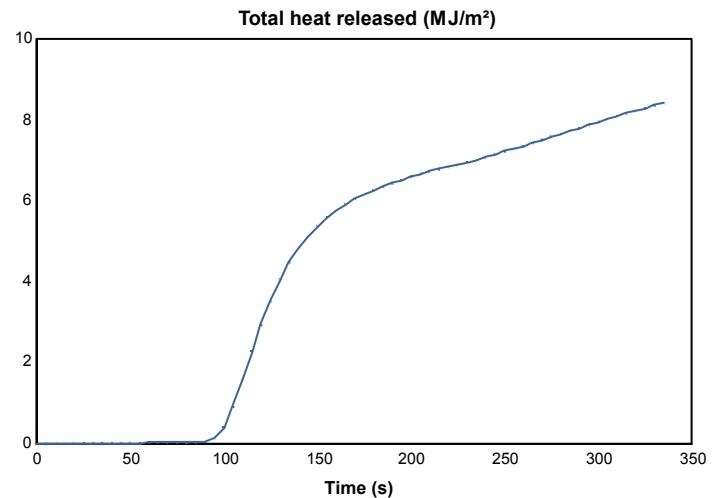
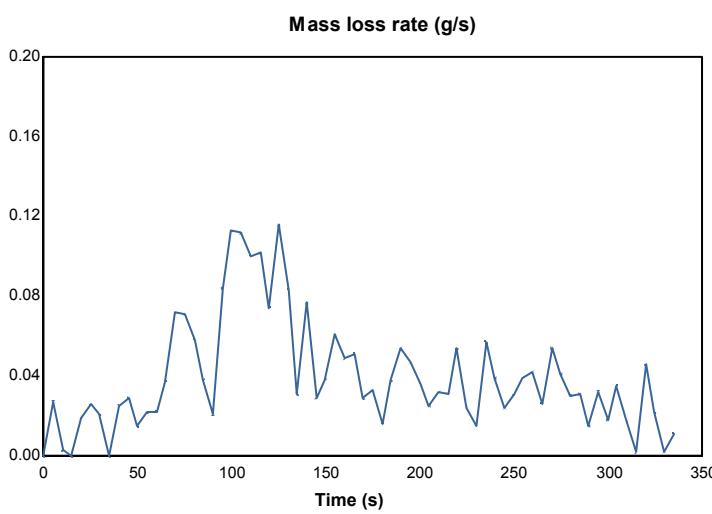
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