

# AWTA PRODUCT TESTING

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

## TEST REPORT

**Client :** Warwick Fabrics Aust Pty Ltd  
6-10 Sackville Street  
Collingwood VIC 3066

**Test Number :** 25-004825  
**Issue Date :** 17/11/2025  
**Print Date :** 17/11/2025

**Sample Description** Clients Ref : "Brooklyn" Luciana Wallis  
Woven fabric  
Colour : Biscuit  
End Use : Upholstery  
Nominal Composition : 100% Polyester  
Nominal Mass per Unit Area/Density : 355g/m2  
Nominal Thickness : 1mm



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Accreditation Numbers: 983, 985, and 1356

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Chris Campbell  
APPROVED SIGNATORY



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

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

**Date Tested** 17-11-2025  
**Operator** AWTA Test Operator 21  
**Face Tested** Face

	Specimen			
	1	2	3	Mean
Average Heat Release Rate	41.3	30.5	39.3	37.0 kW/m <sup>2</sup>
Average Specific extinction area	92.5	91.1	101.2	94.9 m <sup>2</sup> /kg

**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	75	100	86	87 sec
Test duration	329	477	335	380 sec
Peak heat release after ignition	146.3	139.4	133.2	139.7 kW/m <sup>2</sup>
Average heat at 60 s	104.7	101.5	98.1	101.5 kW/m <sup>2</sup>
Average heat at 180 s	51.4	53.3	47.2	50.6 kW/m <sup>2</sup>
Average heat at 300 s	n/a	37.8	n/a	n/a kW/m <sup>2</sup>
Total heat released	10.5	11.6	9.8	10.6 MJ/m <sup>2</sup>
Average effective heat of combustion	6.5	7.2	6.3	6.7 MJ/kg
Initial thickness	7	7	7	7.0 mm
Initial mass	87.1	87.7	88.1	87.6 g
Mass remaining	74.1	74.7	75.6	74.8 g
Mass percentage pyrolysed	14.9	14.8	14.1	14.6 %

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Mass loss 1.6 1.6 1.5 1.6 kg/m<sup>2</sup>

Average rate of mass loss 6.3 4.3 6.2 5.6 g/m<sup>2</sup>.s

Additional Observations Nil

Difficulties Encountered during Testing Nil

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 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.

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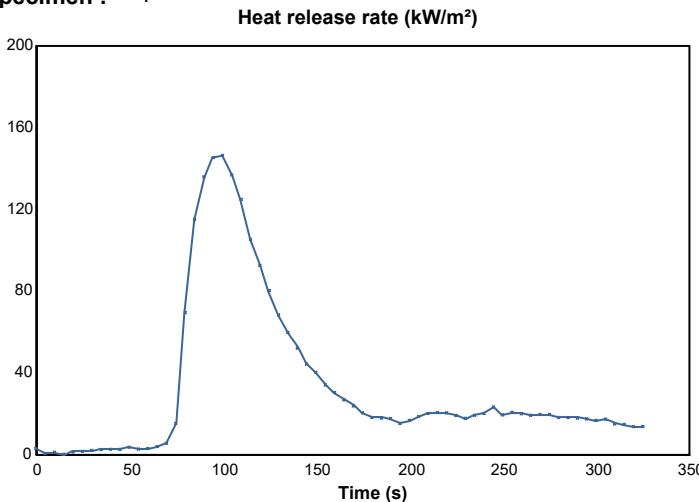
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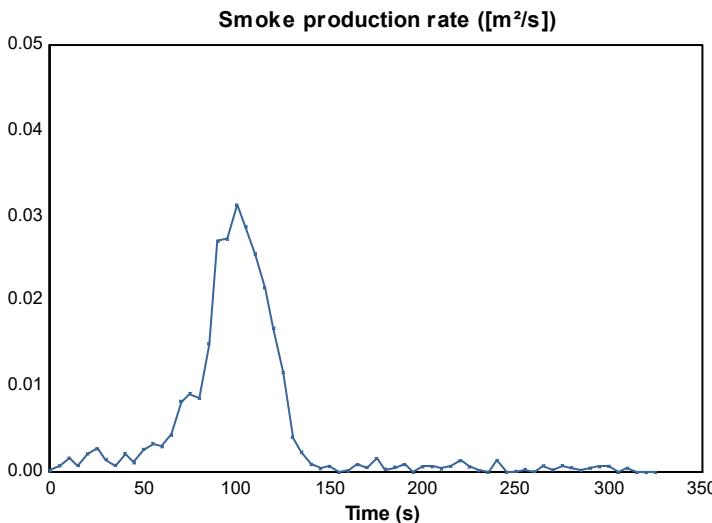
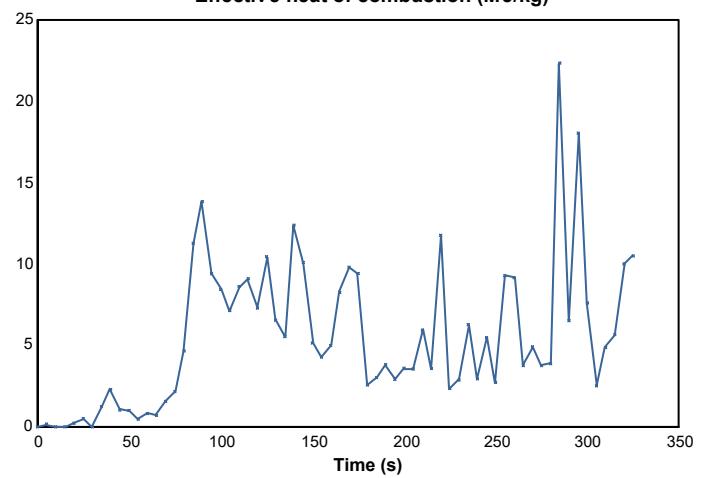
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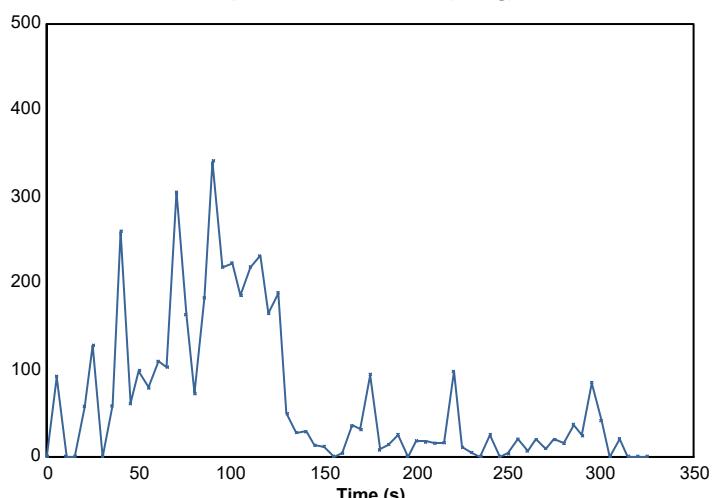
**Specimen :** 1



**Effective heat of combustion (MJ/kg)**



**Specific extinction area (m<sup>2</sup>/kg)**



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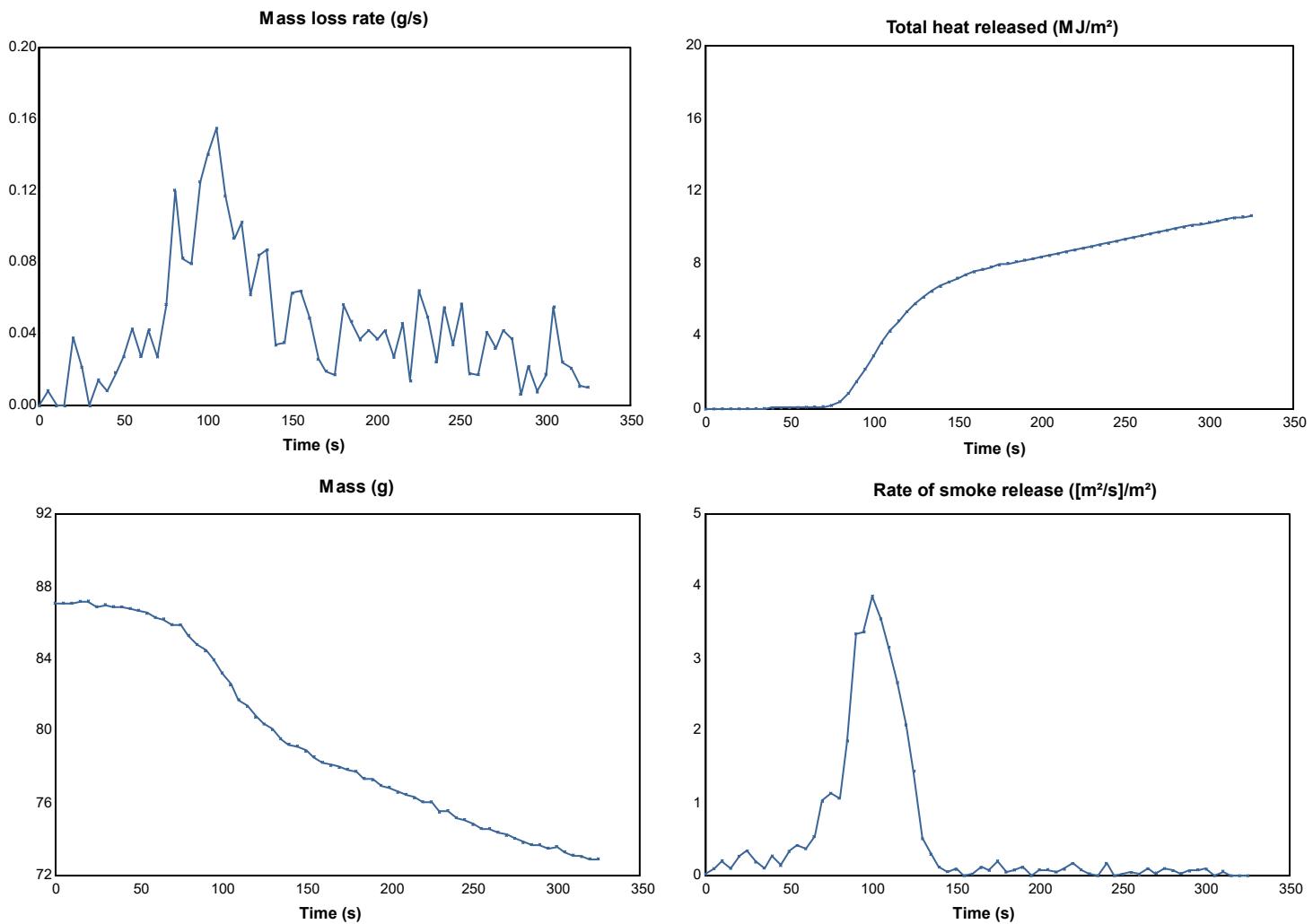
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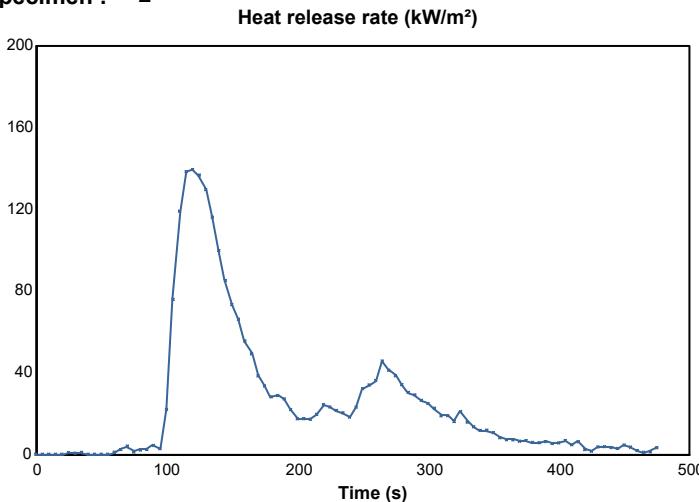
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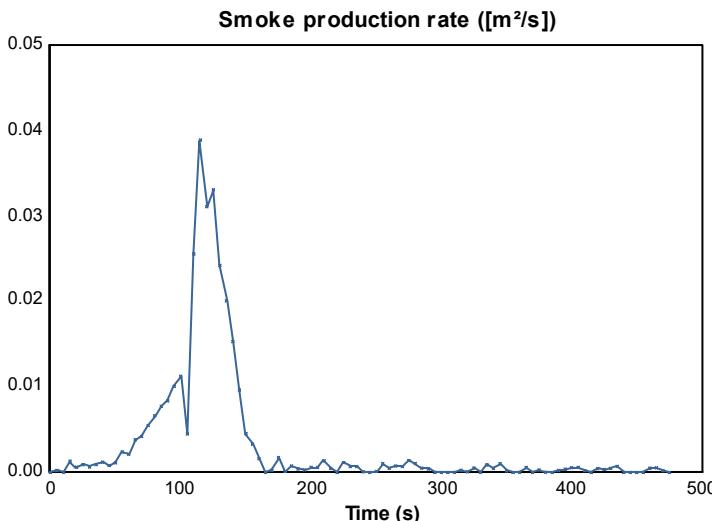
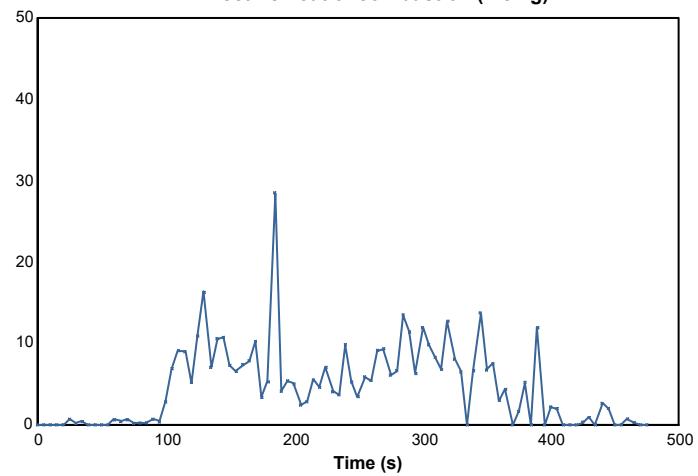
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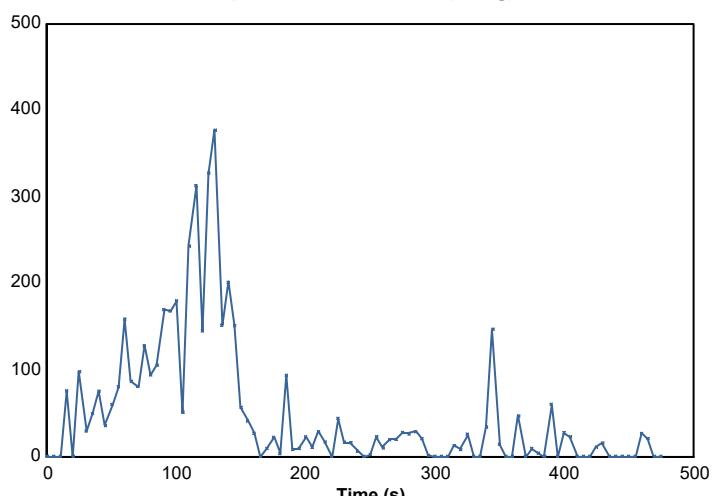
**Specimen :** 2



**Effective heat of combustion (MJ/kg)**



**Specific extinction area (m<sup>2</sup>/kg)**



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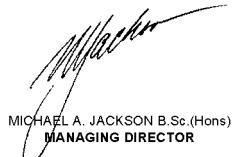


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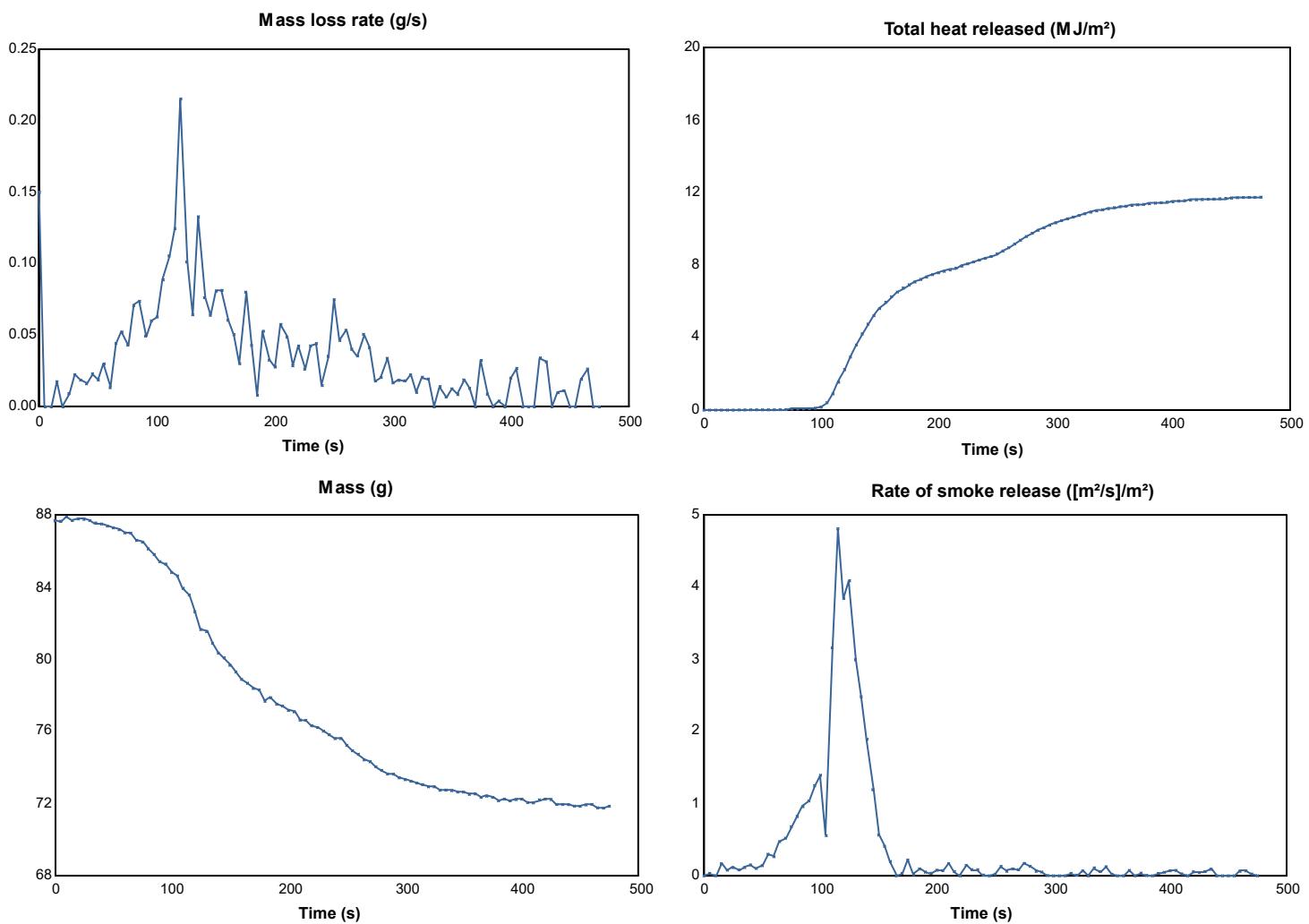
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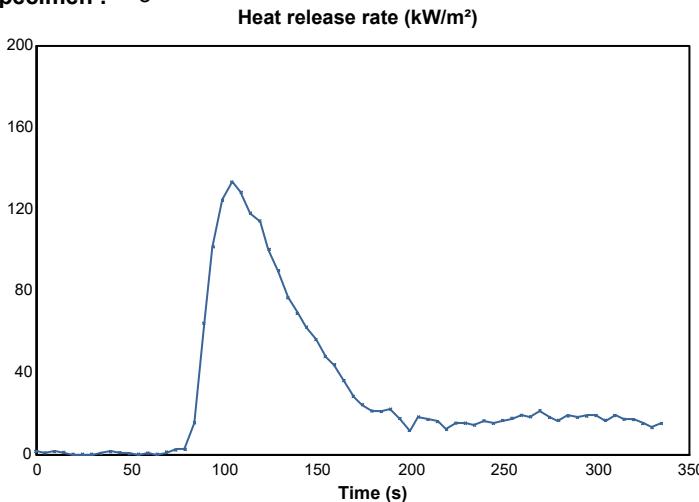
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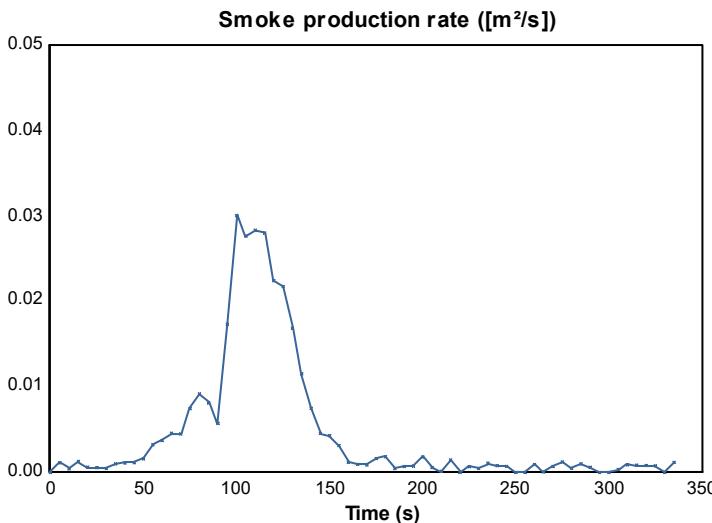
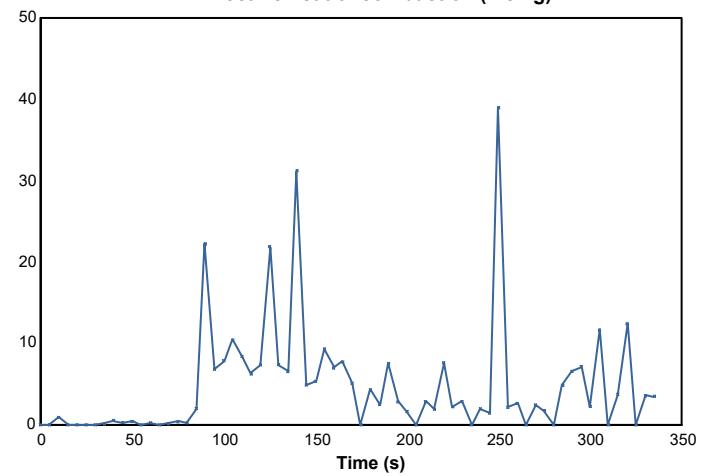
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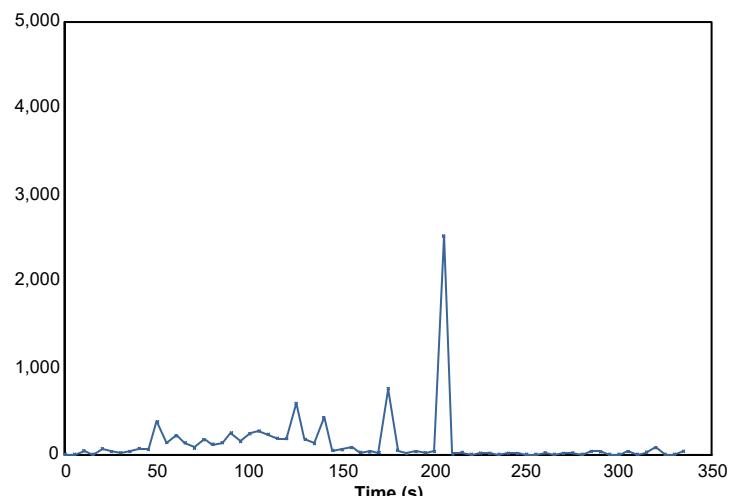
**Specimen :** 3



**Effective heat of combustion (MJ/kg)**



**Specific extinction area (m<sup>2</sup>/kg)**



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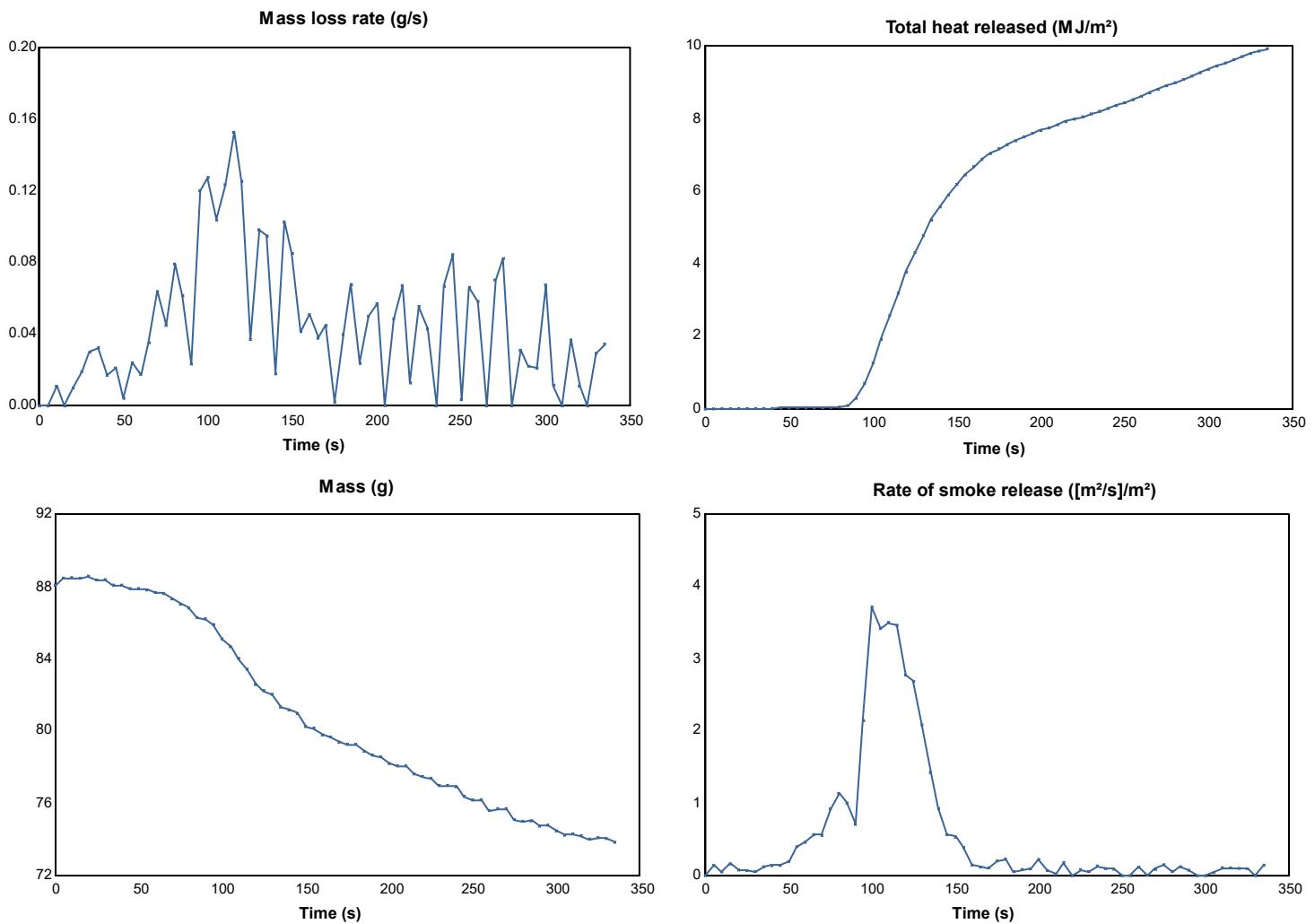
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