

# 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

## 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.

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.

<b>Test Sponsor :</b>	Materialised Pty Ltd 19 Heath Road Blakehurst NSW 2221	<b>Test Number :</b>	26-001939
		<b>Issue Date :</b>	9/06/2026
		<b>Print Date :</b>	9/06/2026

<b>Sponsor Product :</b>	Clients Ref : "Blue Collection -20oz Wall Vinyl - Non Woven Backing"
	Wall Covering Sample
	Colour : Grey
	End Use : Wall Covering
	Nominal Composition : Vinyl, non-woven backing
	Nominal Mass per Unit Area/Density : 20oz/yd2



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		<b>Issue Date :</b>	9/06/2026
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Product Group Number Classification :	2
Average Specific Extinction Area :	127.9 m <sup>2</sup> /kg



Chris Campbell  
Client Relations Manager

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## TEST REPORT

**Client :** Materialised Pty Ltd  
19 Heath Road  
Blakehurst NSW 2221

**Test Number :** 26-001939  
**Issue Date :** 05/06/2026  
**Print Date :** 9/06/2026

**Sample Description** Clients Ref : "Blue Collection -20oz Wall Vinyl - Non Woven Backing"  
Wall Covering Sample  
Colour : Grey  
End Use : Wall Covering  
Nominal Composition : Vinyl, non-woven backing  
Nominal Mass per Unit Area/Density : 20oz/yd2



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Chris Campbell

APPROVED SIGNATORY



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

0204/11/06

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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 05-06-2026  
Operator AWTA Test Operator 21  
Face Tested Face

	Specimen			
	1	2	3	Mean
Average Heat Release Rate	42.8	43.8	43.9	43.5 kW/m <sup>2</sup>
Average Specific extinction area	130.4	119.5	133.7	127.9 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	13	12	14	13 sec
Test duration	254	238	235	242 sec
Peak heat release after ignition	110.2	103.2	114.4	109.3 kW/m <sup>2</sup>
Average heat at 60 s	91.0	90.6	94.5	92.0 kW/m <sup>2</sup>
Average heat at 180 s	51.4	50.4	49.8	50.6 kW/m <sup>2</sup>
Average heat at 300 s	n/a	n/a	n/a	n/a kW/m <sup>2</sup>
Total heat released	10.2	9.8	9.7	9.9 MJ/m <sup>2</sup>
Average effective heat of combustion	6.4	6.4	6.4	6.4 MJ/kg
Initial thickness	11	11	11	11.0 mm
Initial mass	69.2	69.5	69.2	69.3 g
Mass remaining	56.3	57.3	56.8	56.8 g
Mass percentage pyrolysed	18.6	17.6	17.9	18.0 %

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Mass loss	1.6	1.5	1.5	1.5	kg/m <sup>2</sup>
Average rate of mass loss	6.6	6.8	6.9	6.7	g/m <sup>2</sup> .s
Additional Observations	Nil				
Difficulties Encountered during Testing	Nil				

Samples were adhered to a substrate of 10mm thick plasterboard using Roberts 656 wallcovering adhesive 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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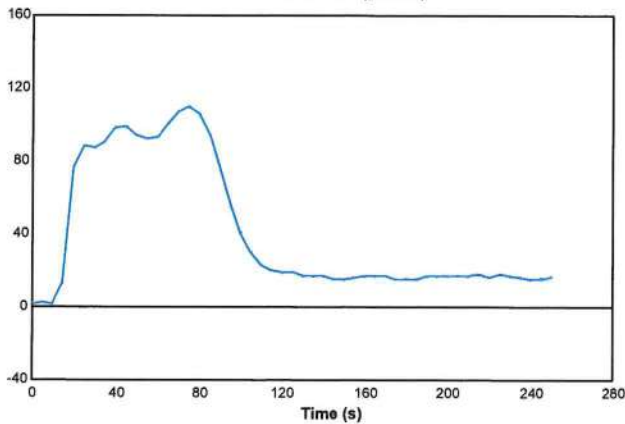
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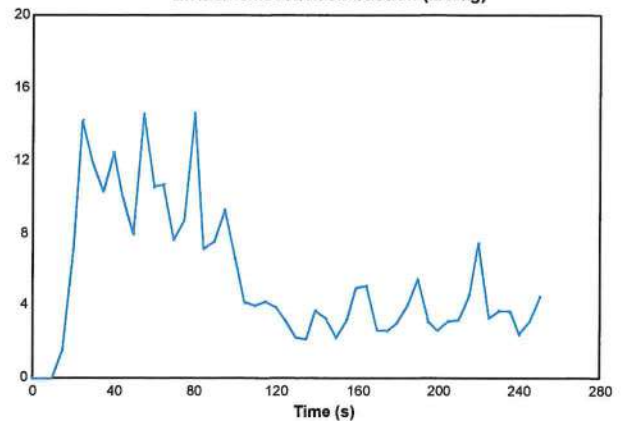
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Issue Date : 05/06/2026  
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Specimen : 1

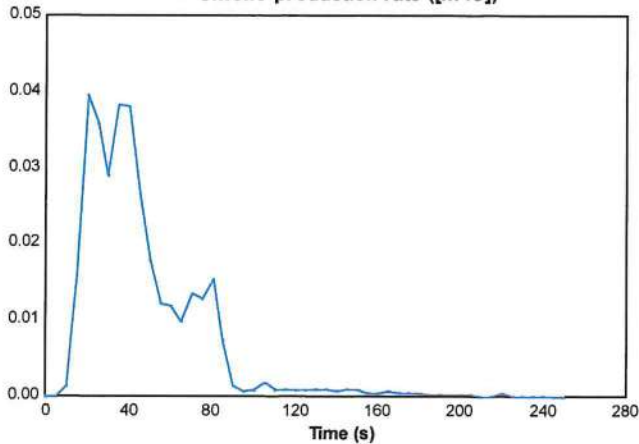
Heat release rate (kW/m<sup>2</sup>)



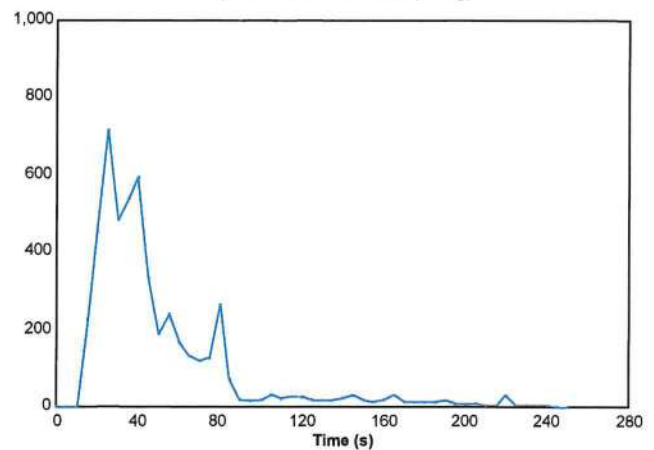
Effective heat of combustion (MJ/kg)



Smoke production rate (l/m²/s)



Specific extinction area (m²/kg)



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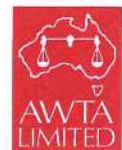
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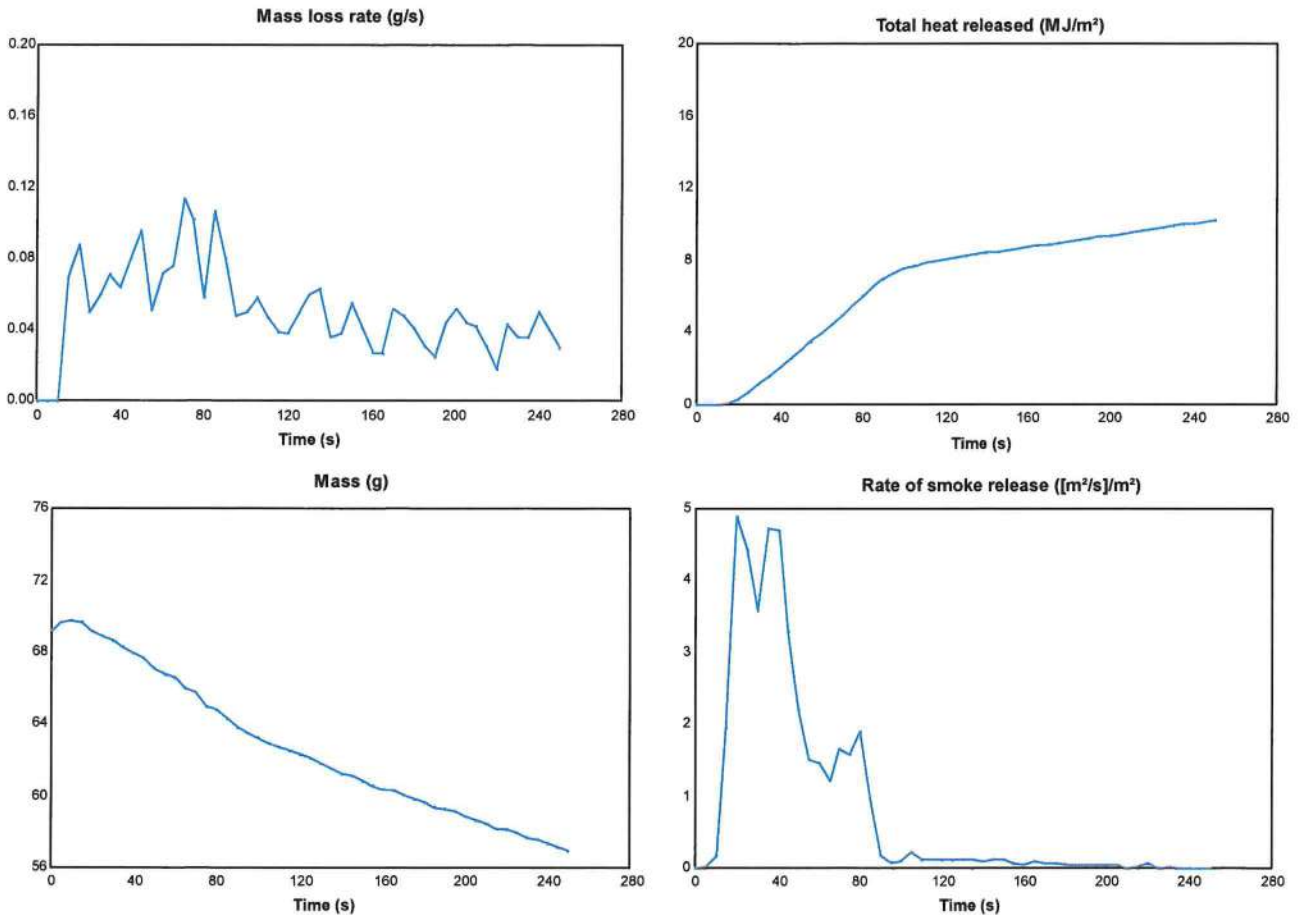
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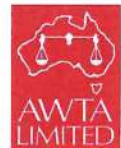
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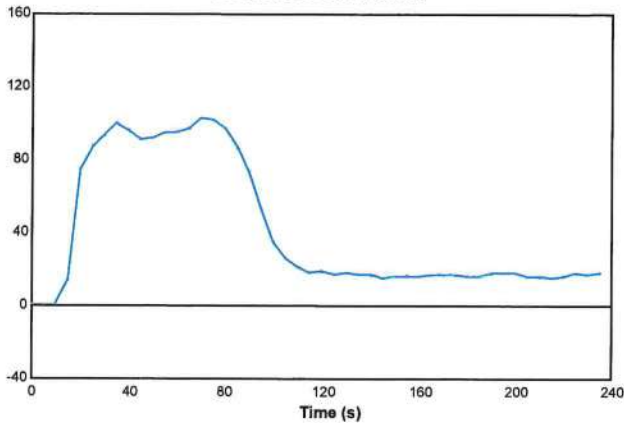
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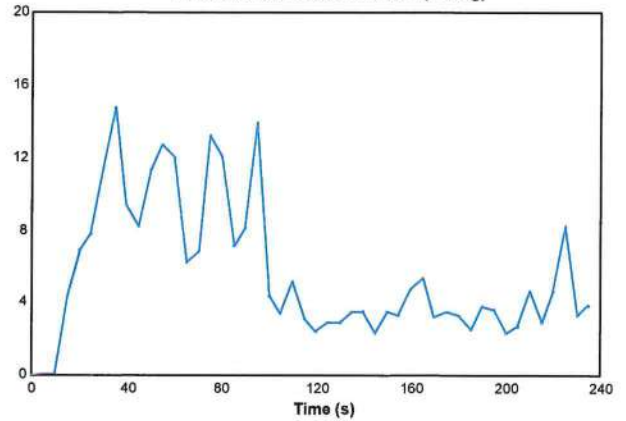
Test Number : 26-001939  
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Specimen : 2

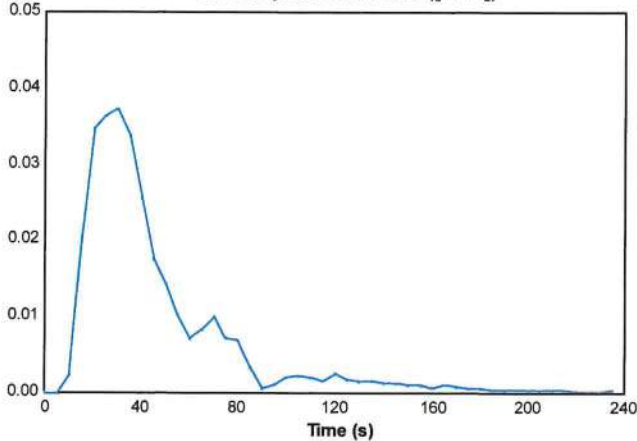
Heat release rate (kW/m<sup>2</sup>)



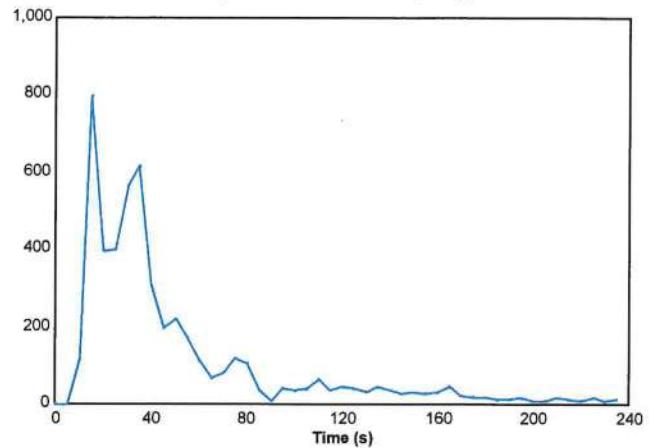
Effective heat of combustion (MJ/kg)



Smoke production rate (l/m<sup>2</sup>/s)



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



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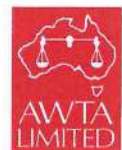
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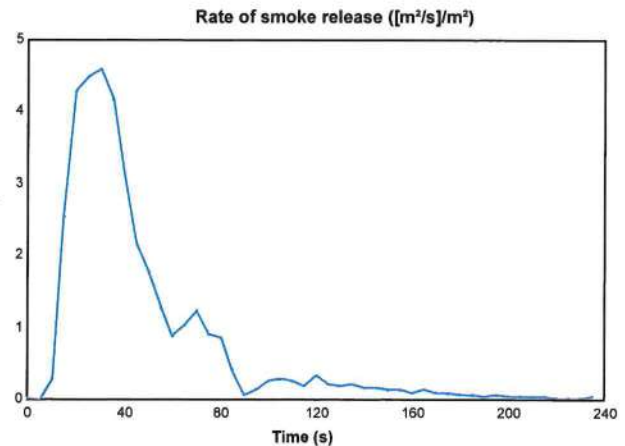
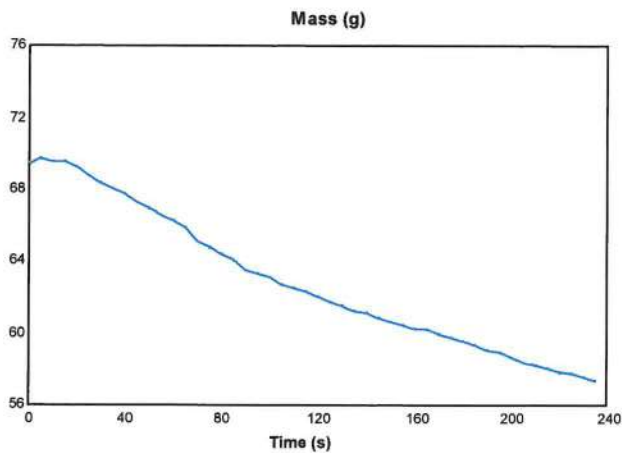
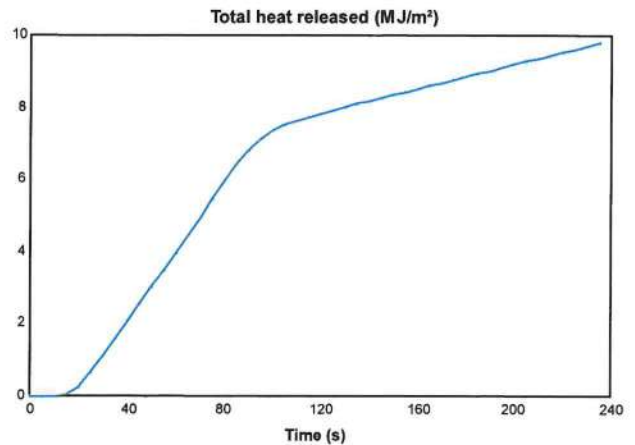
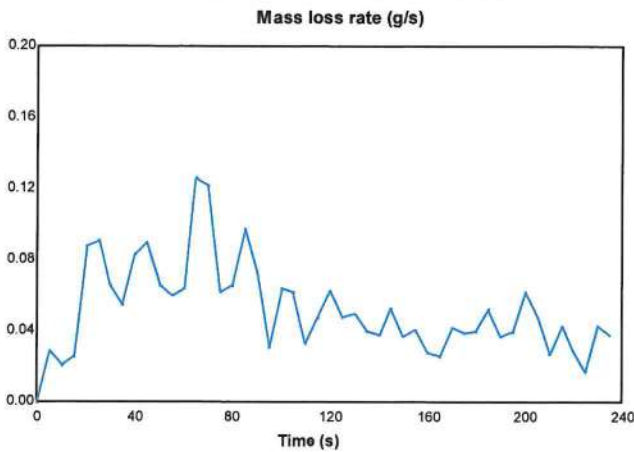
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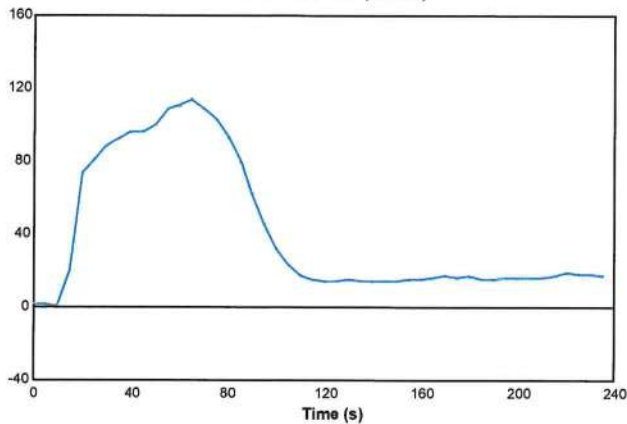
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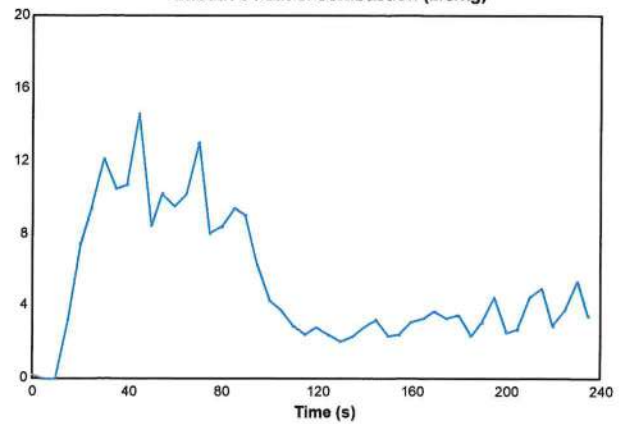
Test Number : 26-001939  
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Specimen : 3

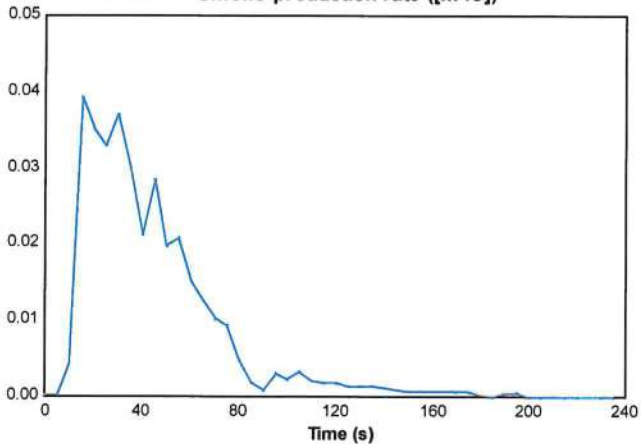
Heat release rate (kW/m<sup>2</sup>)



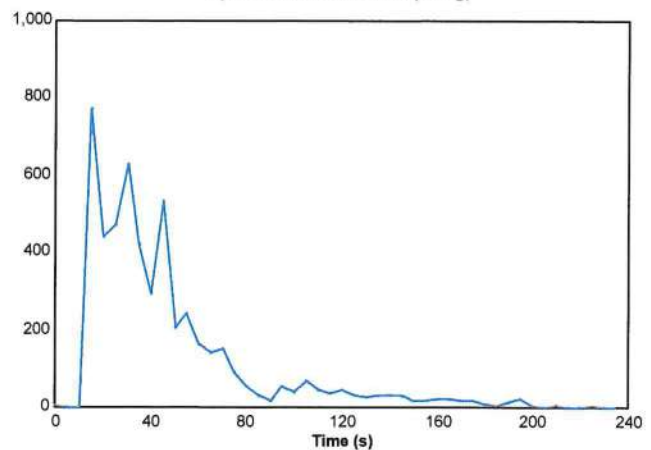
Effective heat of combustion (MJ/kg)



Smoke production rate ((m<sup>2</sup>/s))



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



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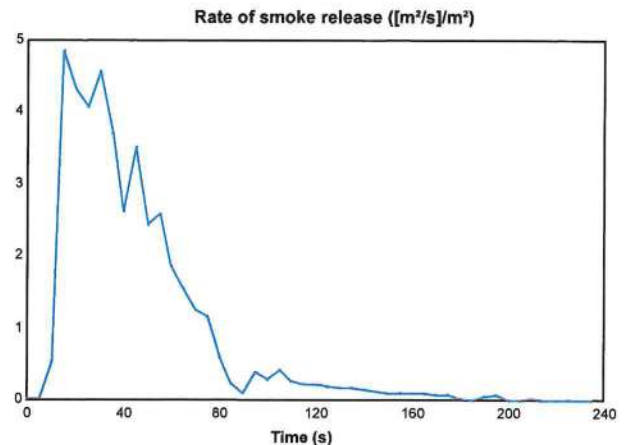
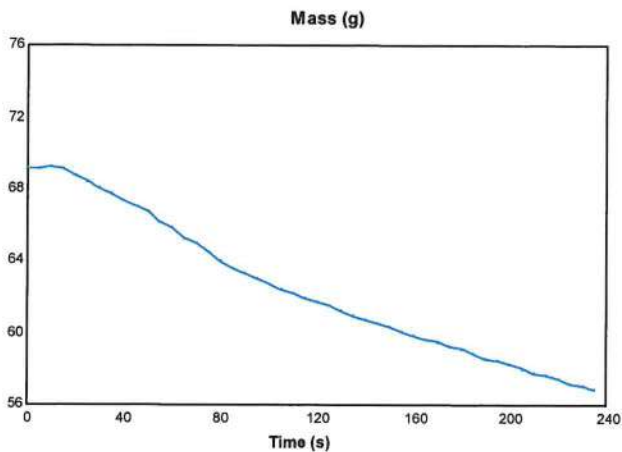
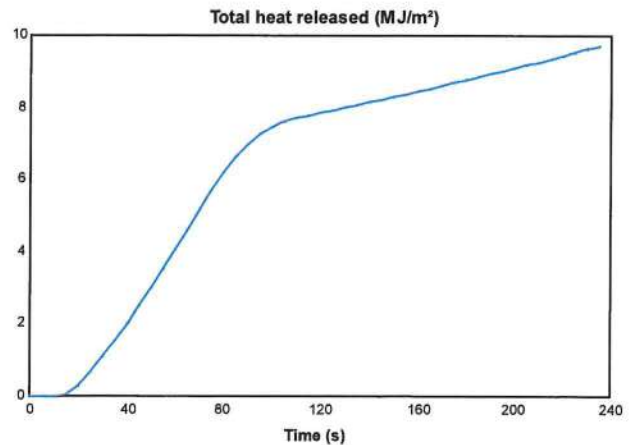
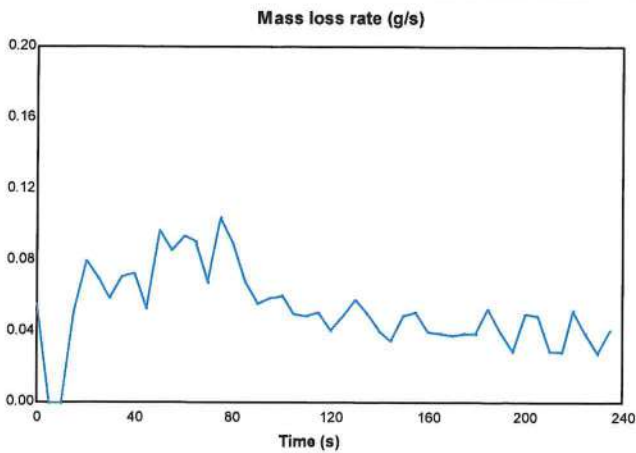
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