

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 Fax (03) 9371 2499

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 Sponsor : Kvadrat A/S
Lundbergsvej 10
Ebeltoft 8400 Denmark
Denmark

Test Number : 19-000057
Issue Date : 12/02/2019
Print Date : 1/04/2019

Sponsor Product Clients Ref : 'Vidor 3 182 by Raf Simons Batch: IN-57-43887A'
Woven upholstery fabric
Colour : Black and grey
End Use : Upholstery
Nominal Composition : 94% New Wool 6%Nylon
Nominal Mass per Unit Area/Density : Approx 540 g/m2

Product Group Number Classification : 2
Average Specific Extinction Area : 80.5 m²/kg



Chris Campbell
Client Relations Manager

33299

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TEST REPORT

Client : Kvadrat A/S
Lundbergsvej 10
Ebeltoft 8400 Denmark
Denmark

Test Number : 19-000057
Issue Date : 11/02/2019
Print Date : 1/04/2019

Sample Description Clients Ref : 'Vidor 3 182 by Raf Simons Batch: IN-57-43887A'
Woven upholstery fabric
Colour : Black and grey
End Use : Upholstery
Nominal Composition : 94% New Wool 6%Nylon
Nominal Mass per Unit Area/Density : Approx 540 g/m²

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

Date Tested 11/02/2019
Operator AWTA Test Operator 3
Face Tested Face

	Specimen			Mean	
	1	2	3		
Average Heat Release Rate	33.4	37.1	38.0	36.2	kW/m ²
Average Specific extinction area	77.4	101.3	62.8	80.5	m ² /kg

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

Test orientation : Horizontal

	Specimen			Mean	
	1	2	3		
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	13	13	14	13	sec
Test duration	240	220	240	233	sec
Peak heat release after ignition	178.1	197.6	194.0	189.9	kW/m ²
Average heat at 60 s	108.4	114.6	106.4	109.8	kW/m ²
Average heat at 180 s	40.0	42.0	43.6	41.9	kW/m ²
Average heat at 300 s	n/a	n/a	n/a	n/a	kW/m ²

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Accredited for compliance with ISO/IEC 17025 - Testing
- Chemical Testing
- Mechanical Testing
- Performance & Approvals Testing

: Accreditation No. 983
: Accreditation No. 985
: Accreditation No. 1356



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APPROVED SIGNATORY

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MANAGING DIRECTOR

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Denmark

Test Number : 19-000057
Issue Date : 11/02/2019
Print Date : 1/04/2019

Total heat released	7.6	7.7	8.6	8.0	MJ/m ²
Average effective heat of combustion	6.2	6.7	6.7	6.5	MJ/kg
Initial thickness	8	8	8	8.0	mm
Initial mass	92.7	90.1	97.4	93.4	g
Mass at sustained flaming	92.5	90.1	96.5	93.0	g
Mass remaining	82.8	80.7	87.0	83.5	g
Mass percentage pyrolysed	10.7	10.4	10.7	10.6	%
Mass loss	1.2	1.2	1.3	1.2	kg/m ²
Average rate of mass loss	5.4	5.6	5.7	5.6	g/m ² .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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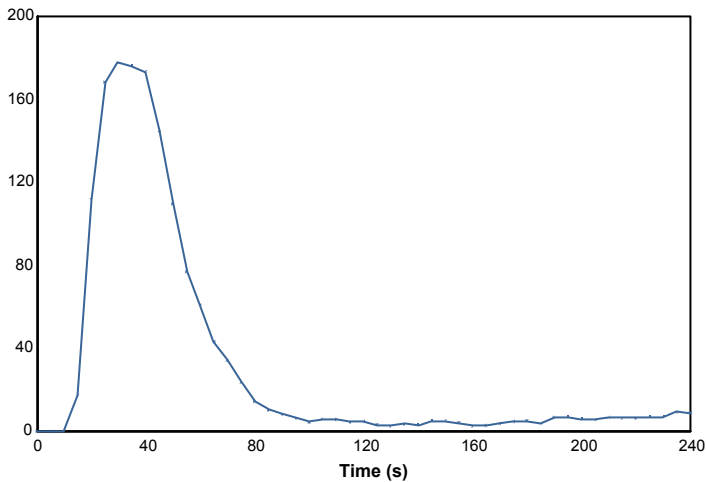
TEST REPORT

Client : Kvadrat A/S
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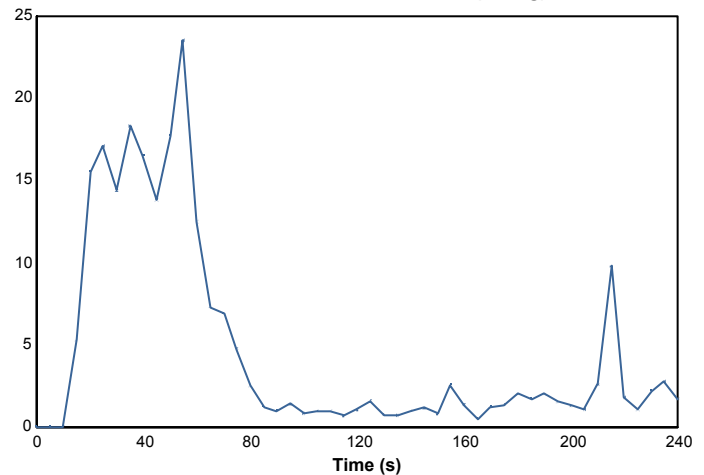
Test Number : 19-000057
Issue Date : 11/02/2019
Print Date : 1/04/2019

Specimen : 1

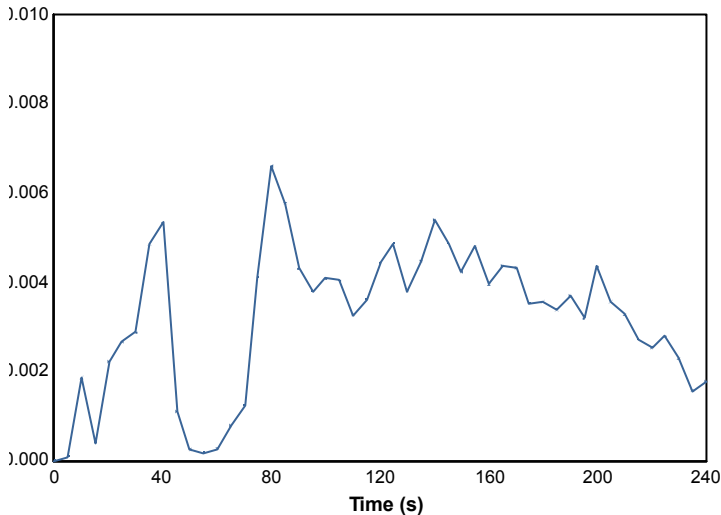
Heat release rate (kW/m²)



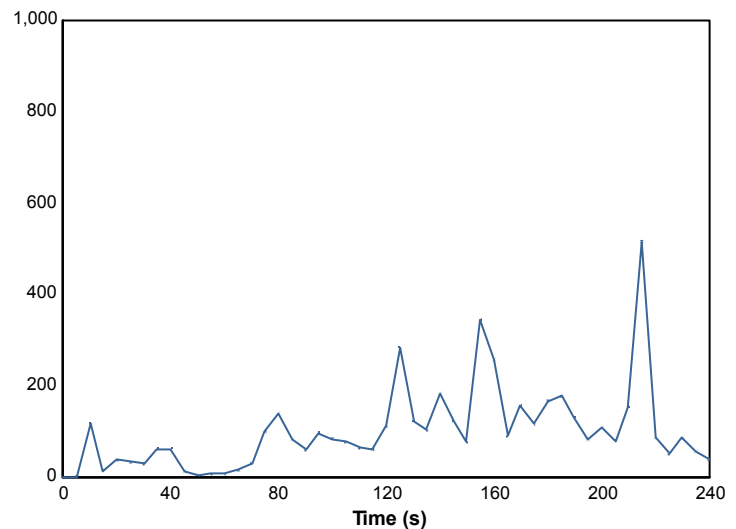
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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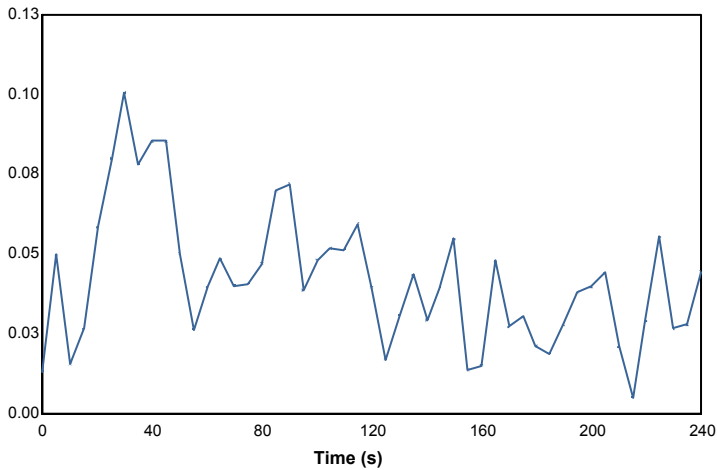
Phone (03) 9371 2400 Fax (03) 9371 2499

TEST REPORT

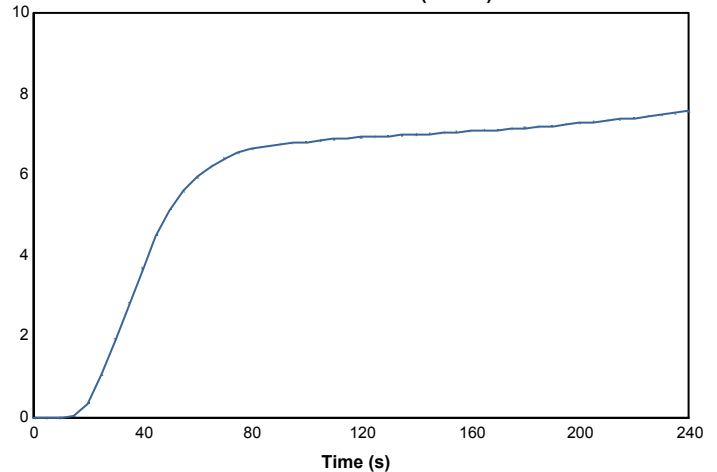
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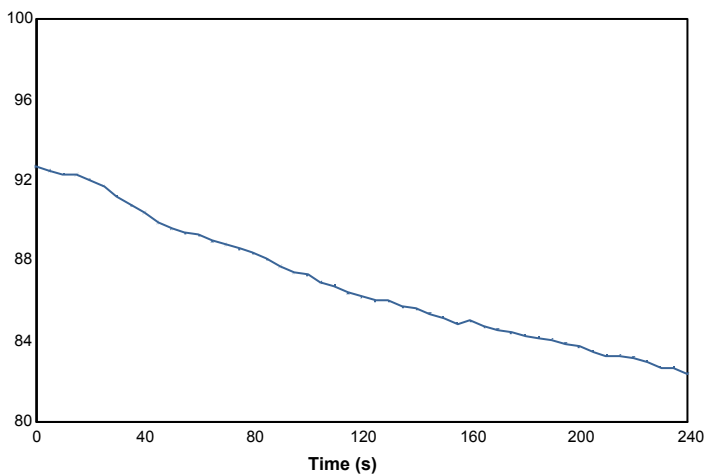
Mass loss rate (g/s)



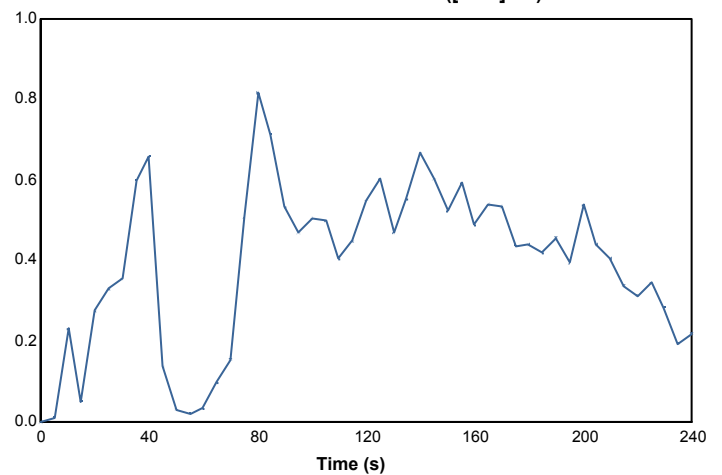
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s)/m²)



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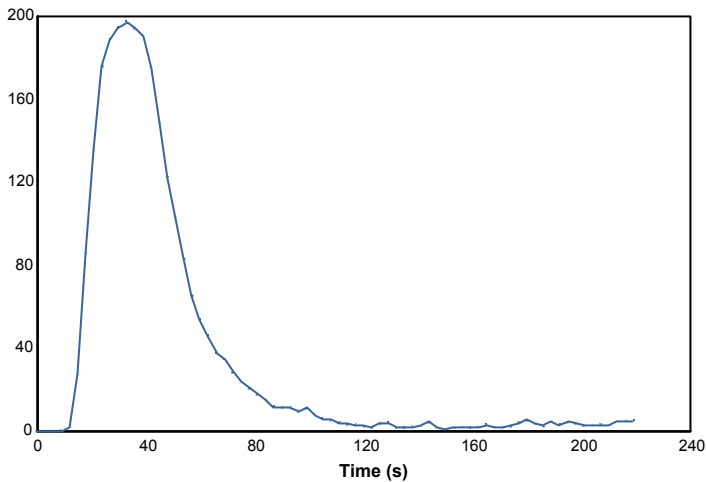
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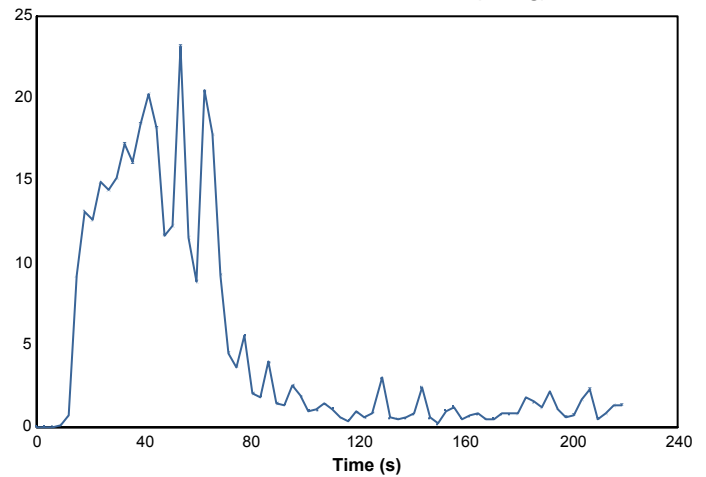
Test Number : 19-000057
Issue Date : 11/02/2019
Print Date : 1/04/2019

Specimen : 2

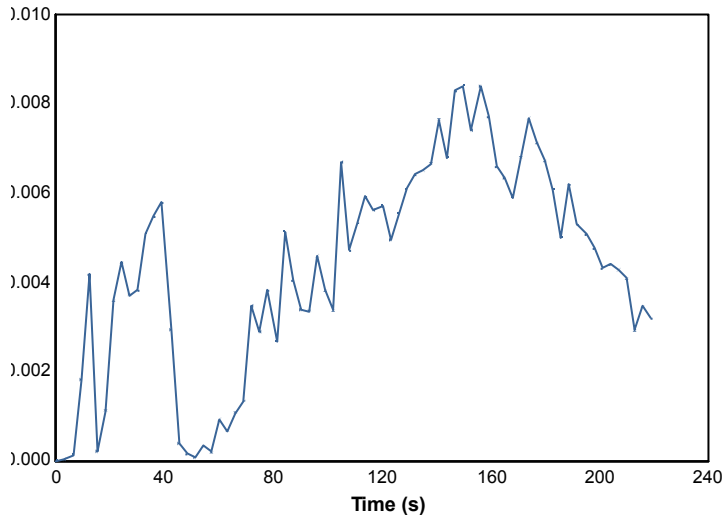
Heat release rate (kW/m²)



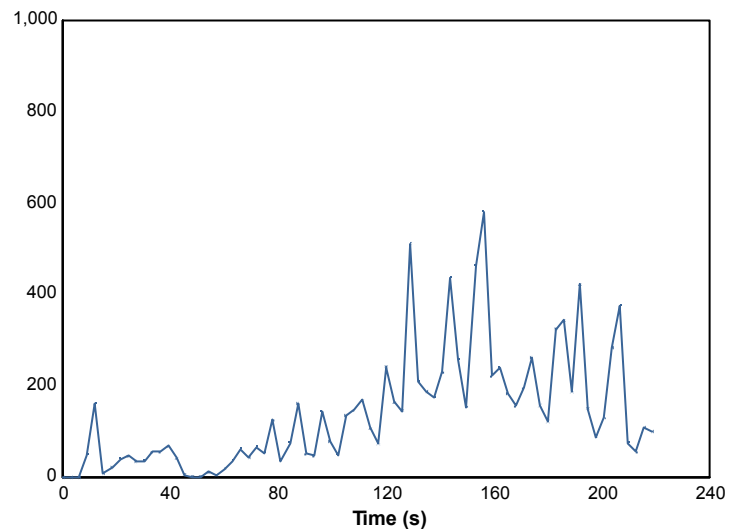
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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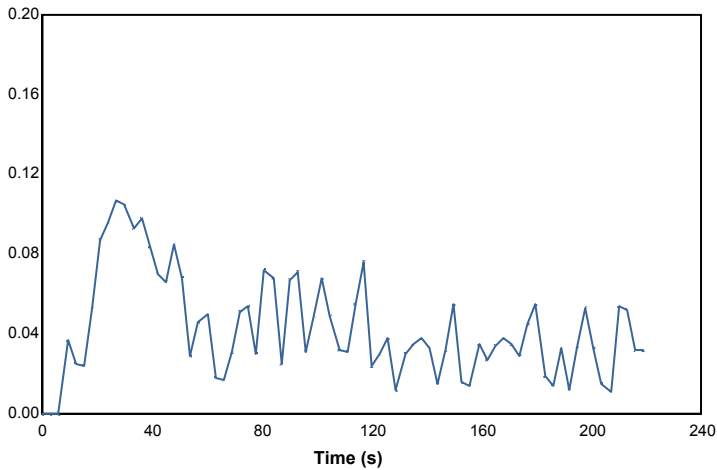
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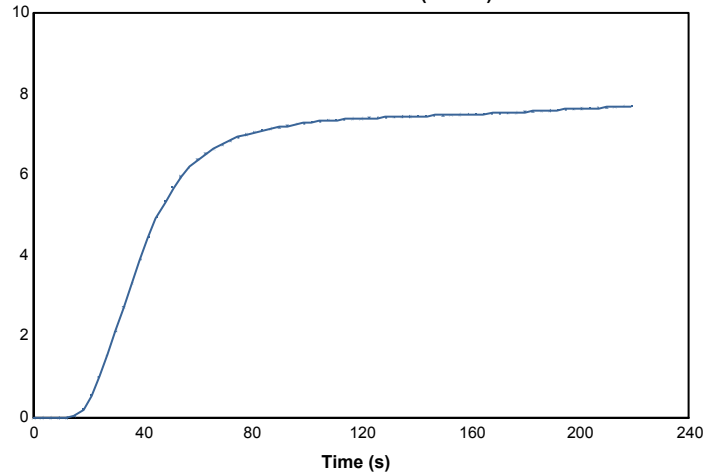
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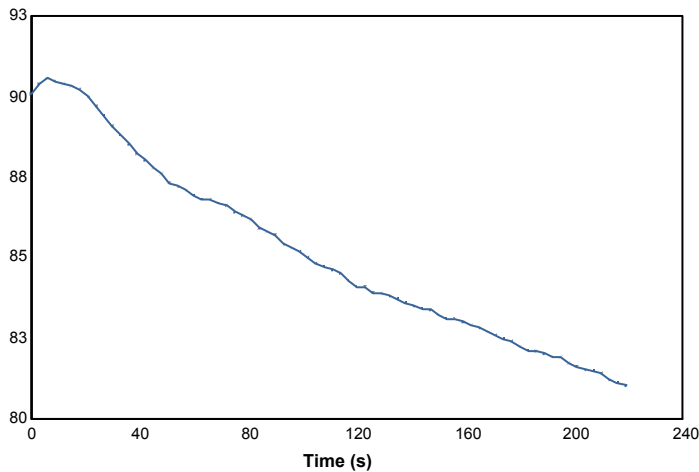
Mass loss rate (g/s)



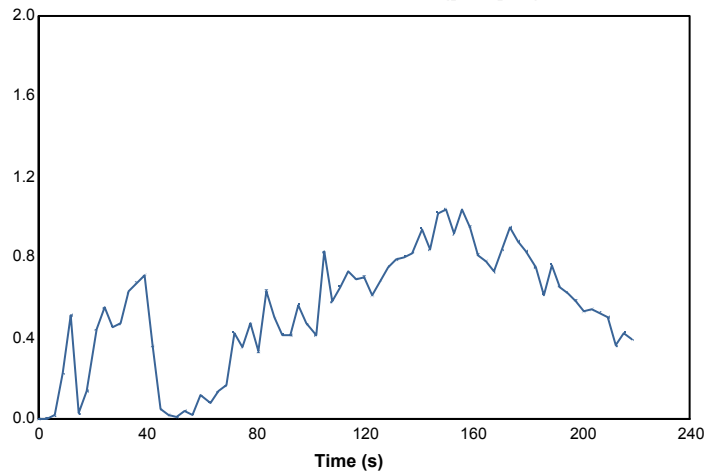
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s]/m²)



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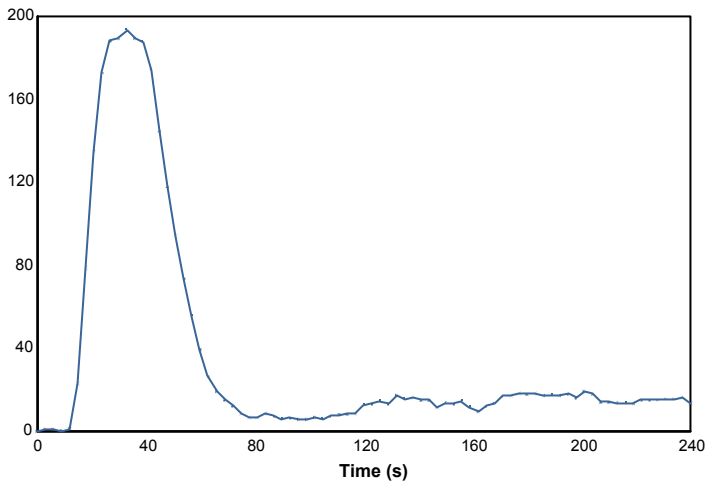
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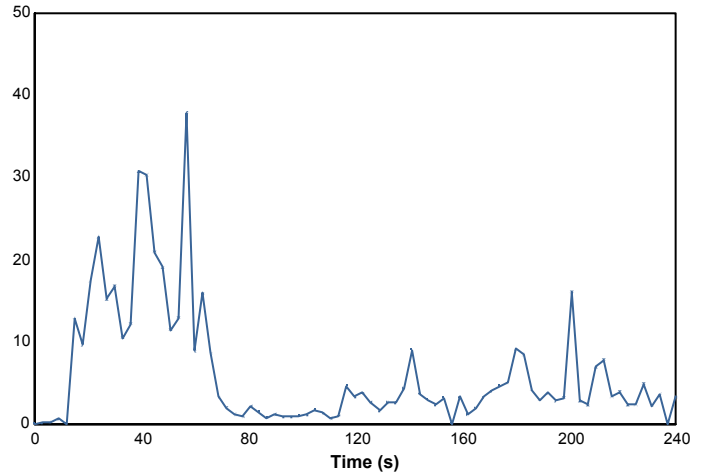
Test Number : 19-000057
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Specimen : 3

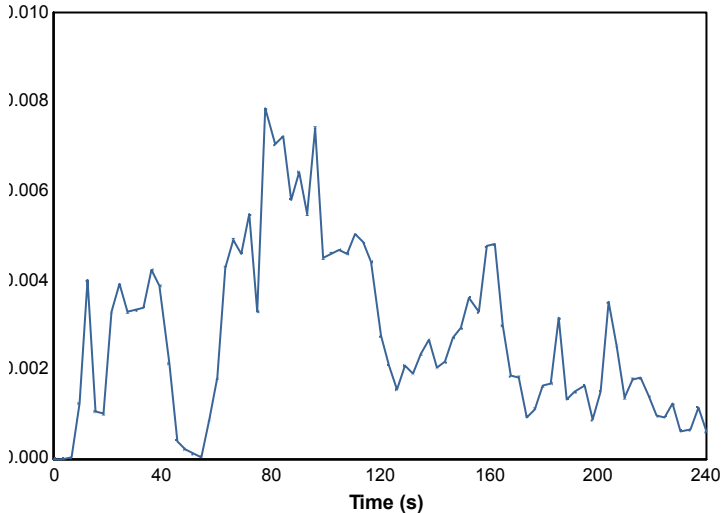
Heat release rate (kW/m²)



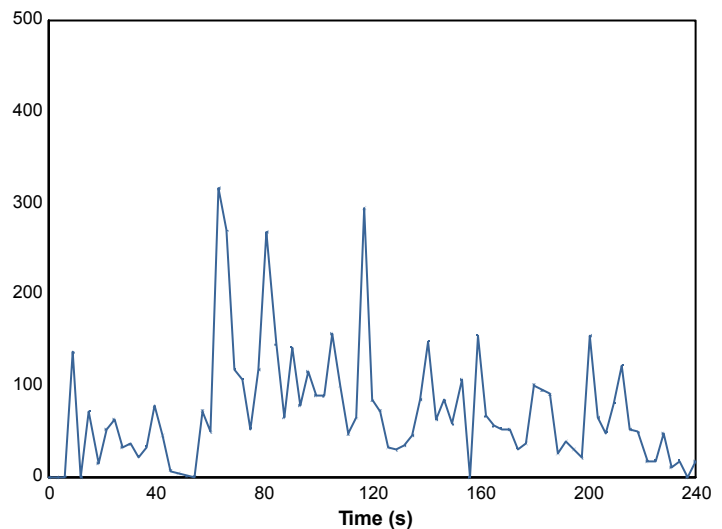
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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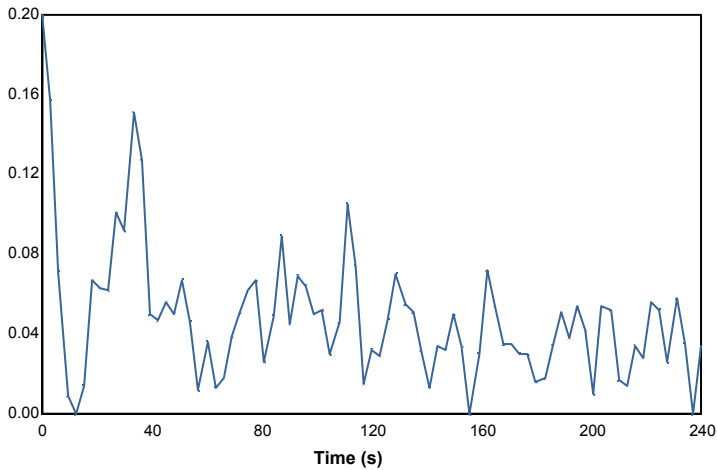
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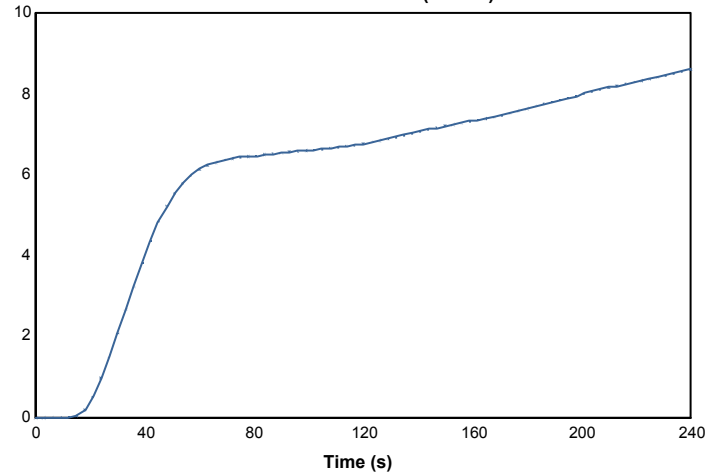
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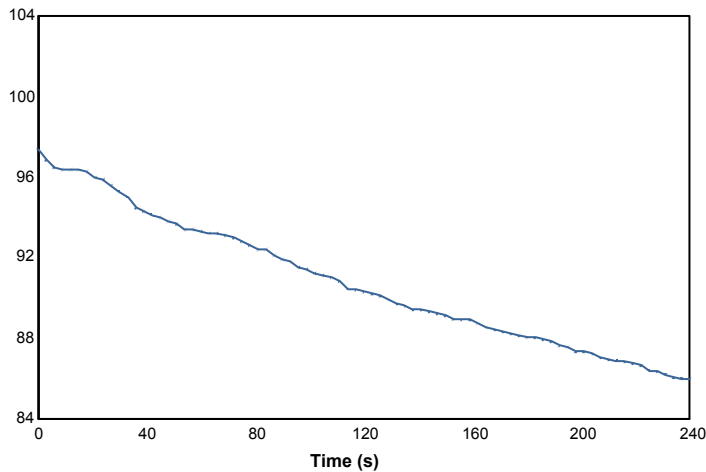
Mass loss rate (g/s)



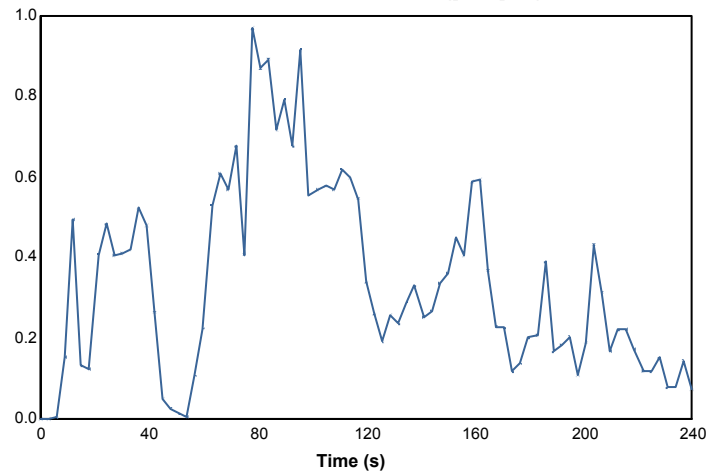
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s]/m²)



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