

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 Specification A2.4 of the National Construction Code of Australia)

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 : Wilsonart Australia
Unit 3B
13 - 15 Forrester Street
Kingsgrove NSW 2208

Test Number : 16-001466
Issue Date : 04/04/2016
Print Date : 4/04/2016

Sponsor Product Clients Ref : "Wilsonart Traceless"
Coated high pressure laminate
End Use : Walls, Furniture, Doors
Nominal Composition : High Pressure Laminate (HPL)
Nominal Mass per Unit Area/Density : 1.2kg/m²
Nominal Thickness : 0.8mm

Product Group Number Classification : 2
Average Specific Extinction Area : 12.5 m²/kg



Chris Campbell
Client Relations Manager

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TEST REPORT

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Sample Description Clients Ref : "Wilsonart Traceless"
Coated high pressure laminate
End Use : Walls, Furniture, Doors
Nominal Composition : High Pressure Laminate (HPL)
Nominal Mass per Unit Area/Density : 1.2kg/m2
Nominal Thickness : 0.8mm

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

	Specimen				
	1	2	3	Mean	
Average Heat Release Rate	48.2	48.5	47.1	47.9	kW/m ²
Average Specific extinction area	11.7	12.2	13.5	12.5	m ² /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 ²
Exhaust flow rate	24	24	24	24	L/sec
Time to sustained flaming	20	23	21	21	sec
Test duration	324	328	333	328	sec
Peak heat release after ignition	250.0	254.8	220.9	241.9	kW/m ²
Average heat at 60 s	142.0	138.4	142.7	141.0	kW/m ²
Average heat at 180 s	69.9	69.6	69.1	69.5	kW/m ²
Average heat at 300 s	48.6	49.0	48.4	48.7	kW/m ²
Total heat released	14.6	14.8	14.7	14.7	MJ/m ²
Average effective heat of combustion	8.0	8.4	7.9	8.1	MJ/kg

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- Chemical Testing of Textiles & Related Products : Accreditation No. 983
- Mechanical Testing of Textiles & Related Products : Accreditation No. 985
- Heat & Temperature Measurement : Accreditation No. 1356

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

0204/11/06

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Initial thickness	6.8	6.8	6.8	6.8	mm
Initial mass	97.3	99.3	97.1	97.9	g
Mass remaining	82.3	84.6	81.7	82.9	g
Mass percentage pyrolysed	15.5	14.8	15.9	15.4	%
Mass loss	15.0	14.7	15.4	15.0	g
Average rate of mass loss	6.0	5.8	5.9	5.9	g/m ² .s

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 reported herein shall not be used to derive a Group Number in accordance with the NCC without undertaking validation of the performance that is predicted.

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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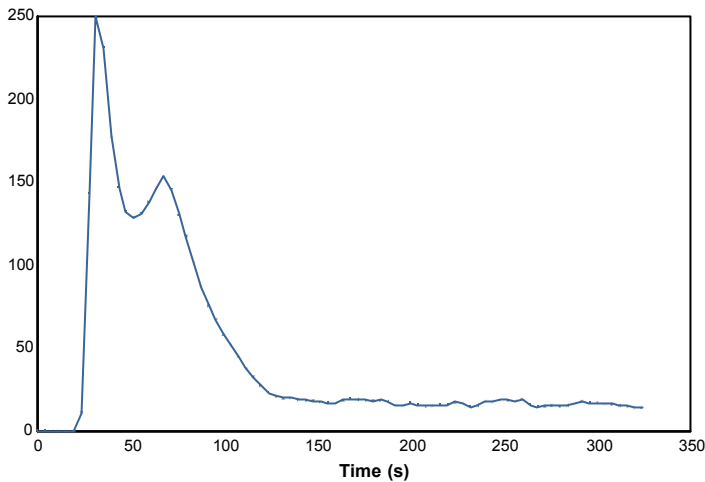
TEST REPORT

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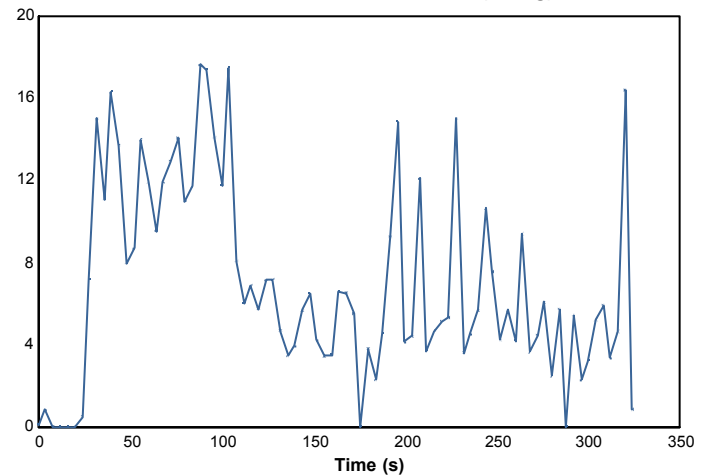
Test Number : 16-001466
Issue Date : 04/04/2016
Print Date : 4/04/2016

Specimen : 1

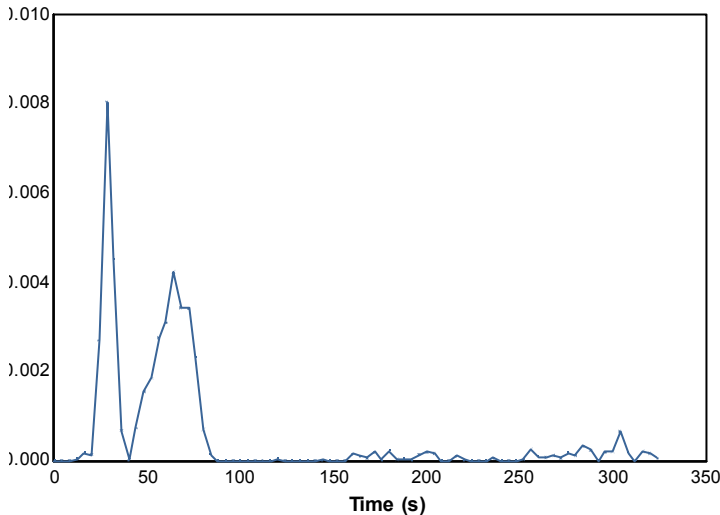
Heat release rate (kW/m²)



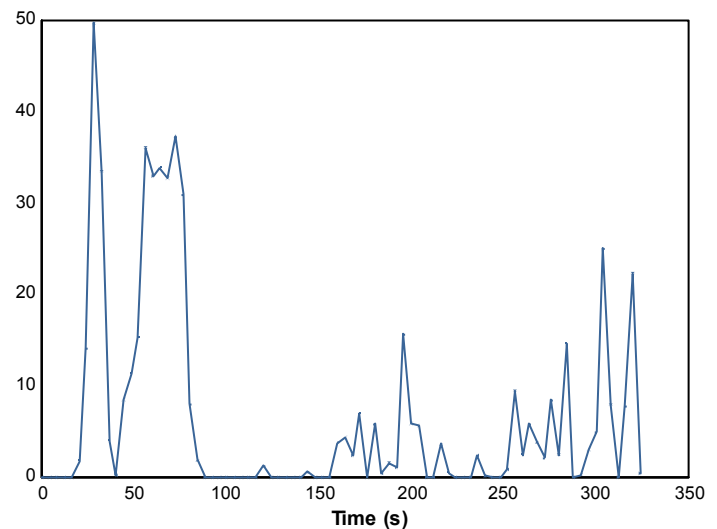
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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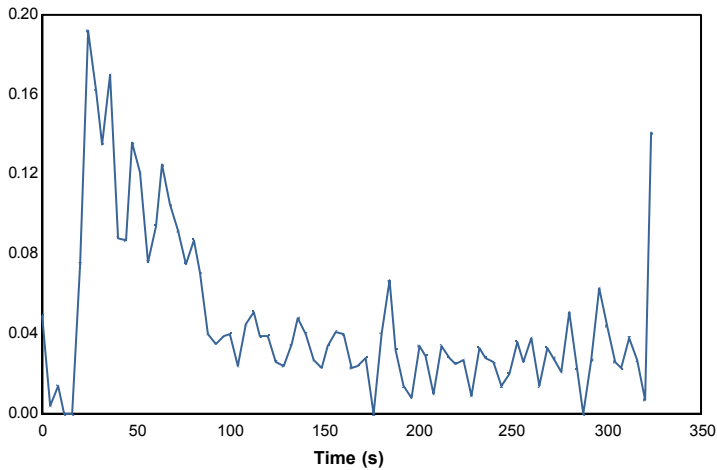
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TEST REPORT

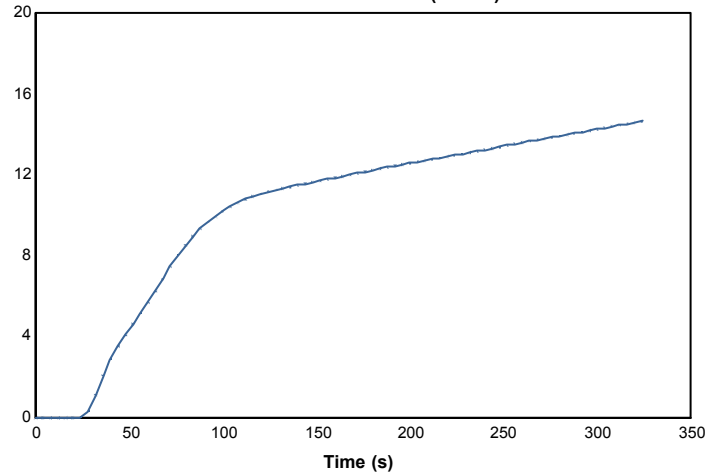
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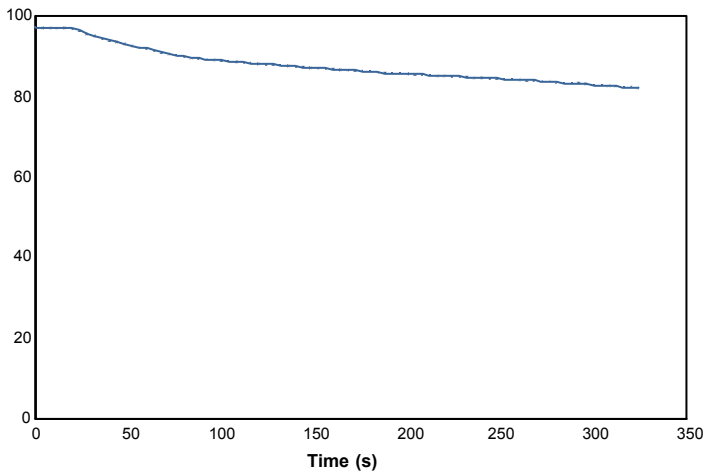
Mass loss rate (g/s)



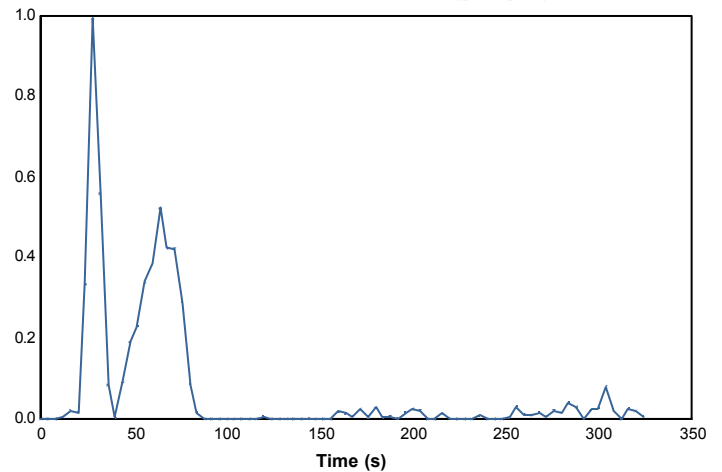
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release (l/m²/s/m²)



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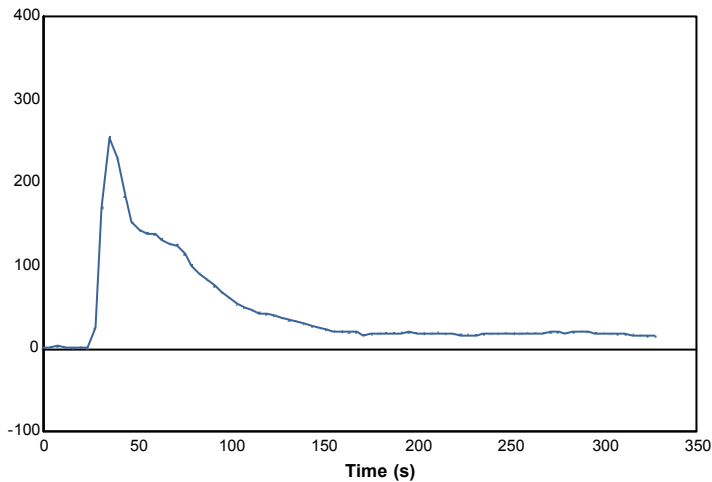
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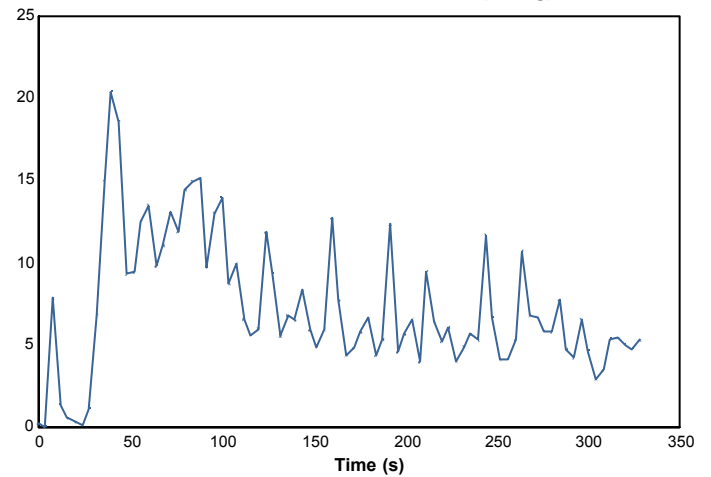
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Print Date : 4/04/2016

Specimen : 2

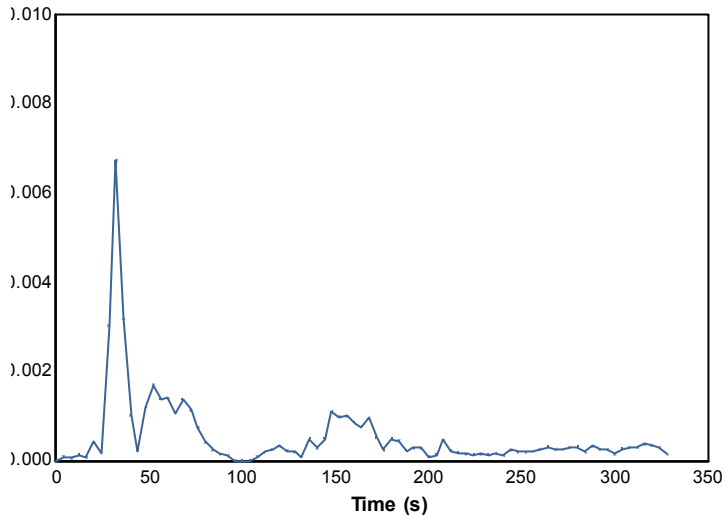
Heat release rate (kW/m²)



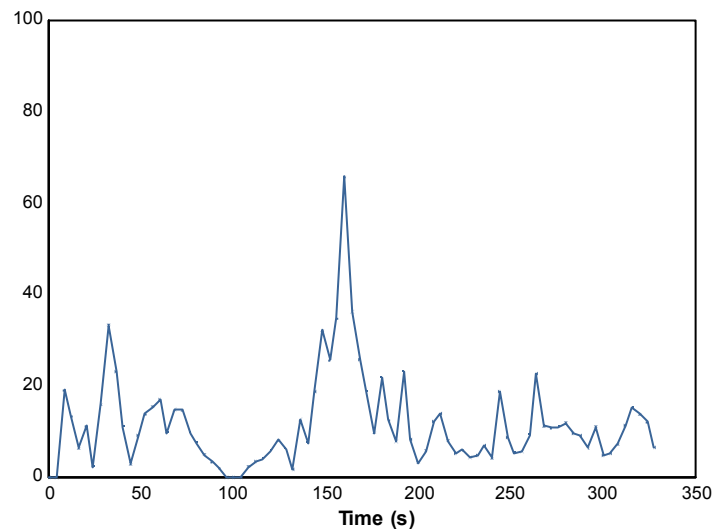
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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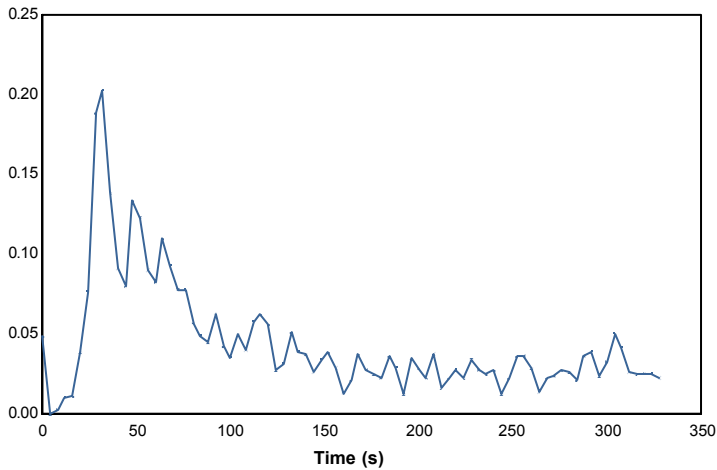
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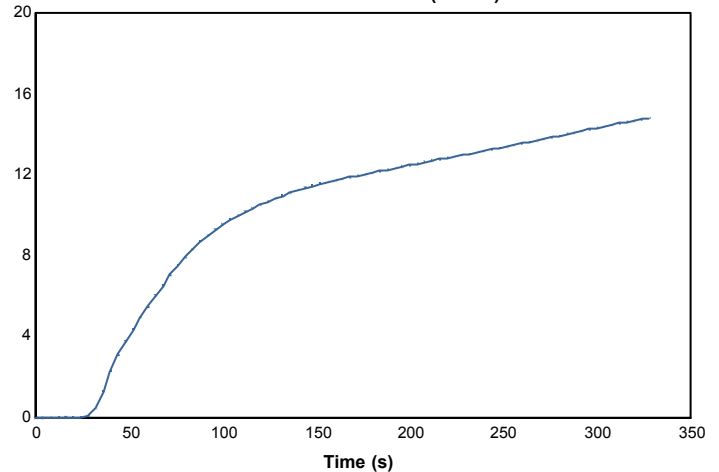
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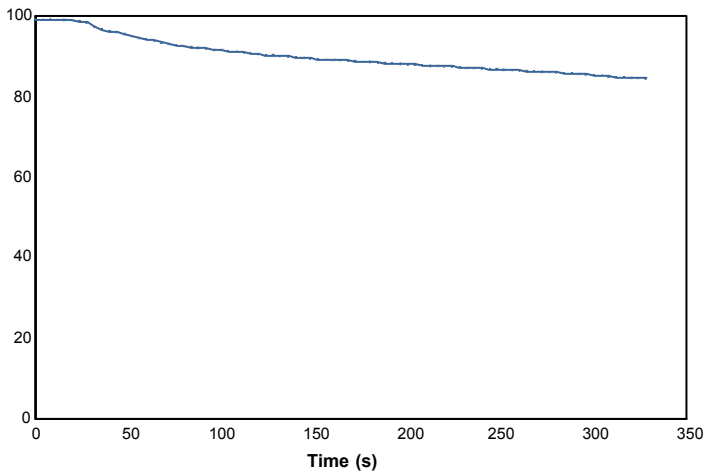
Mass loss rate (g/s)



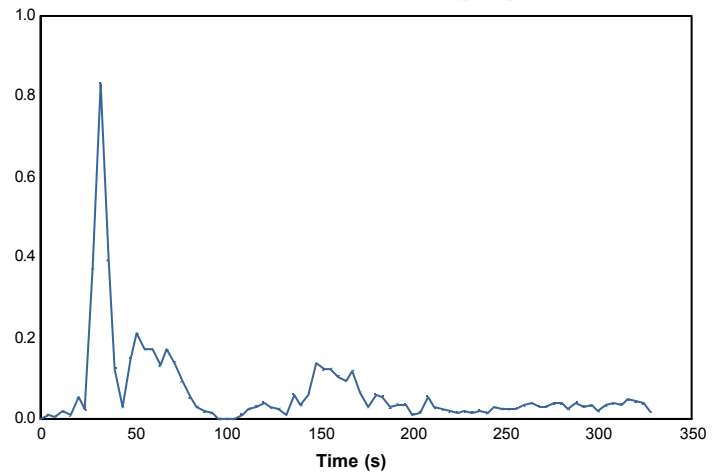
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release (l/m²/s/m²)



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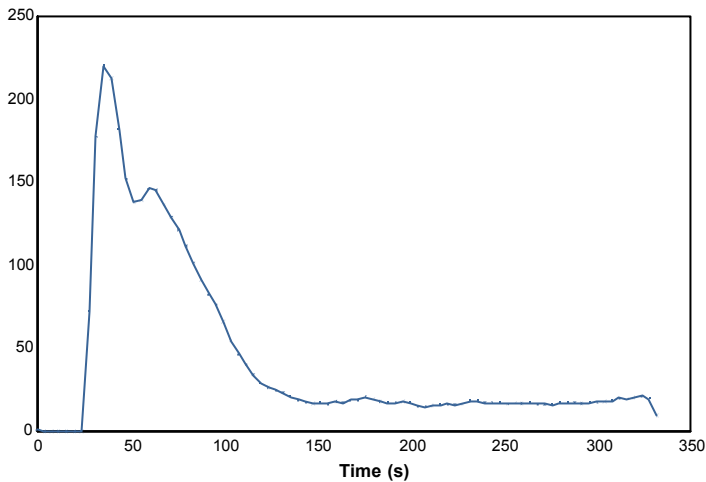
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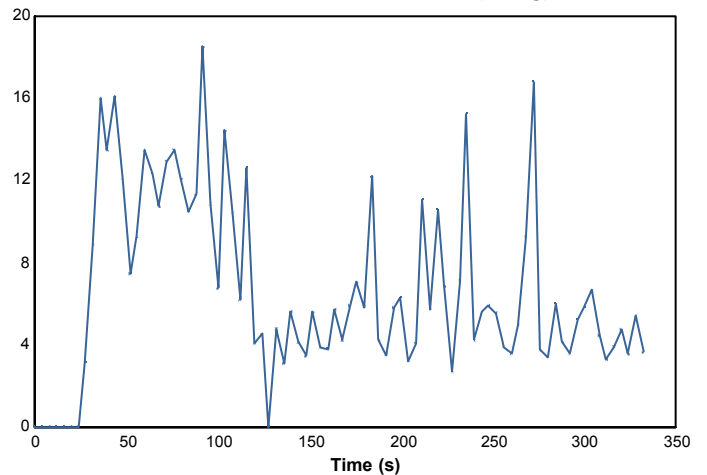
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Specimen : 3

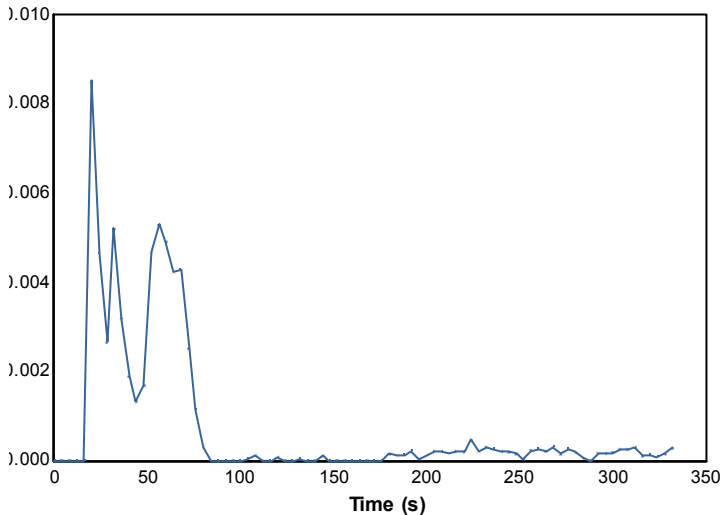
Heat release rate (kW/m²)



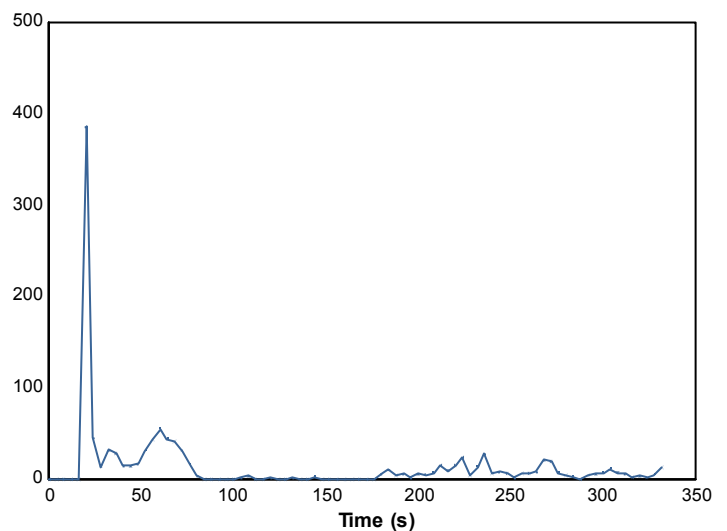
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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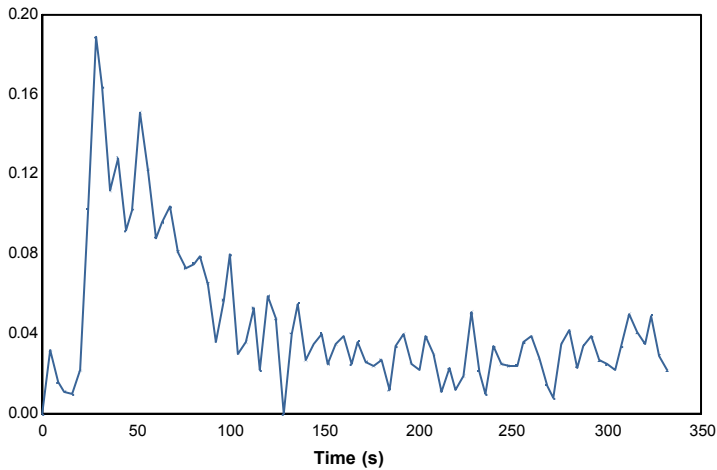
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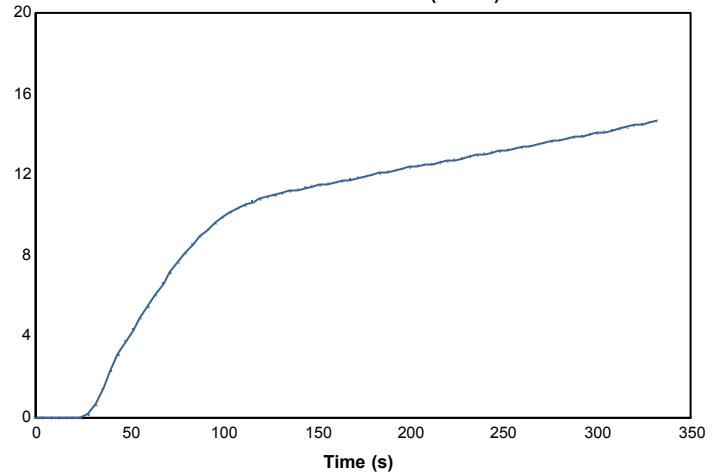
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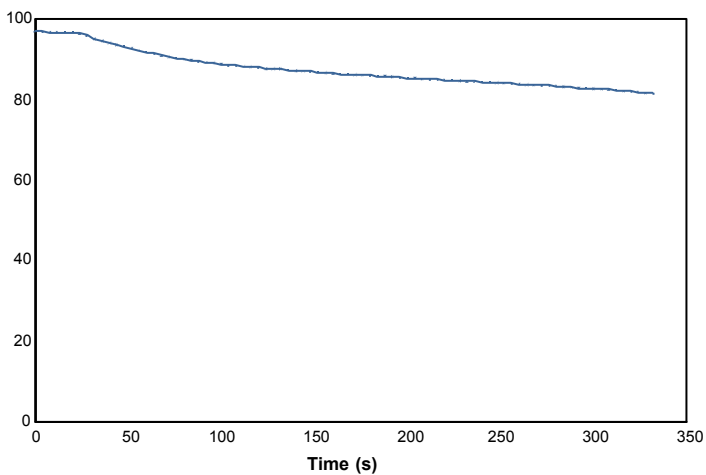
Mass loss rate (g/s)



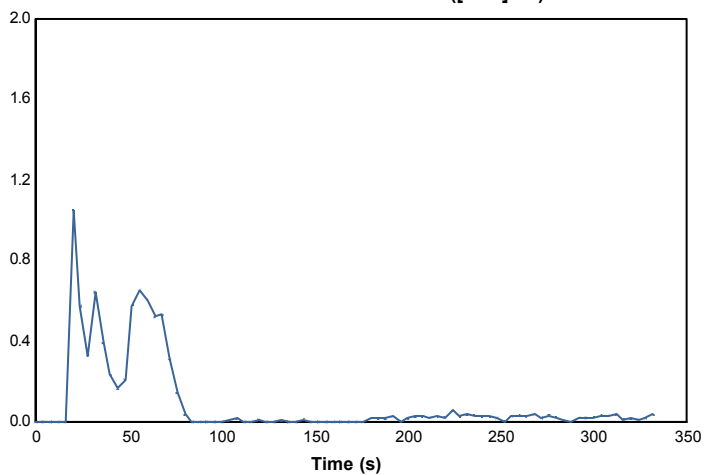
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release (l/m²/s/m²)



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