

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

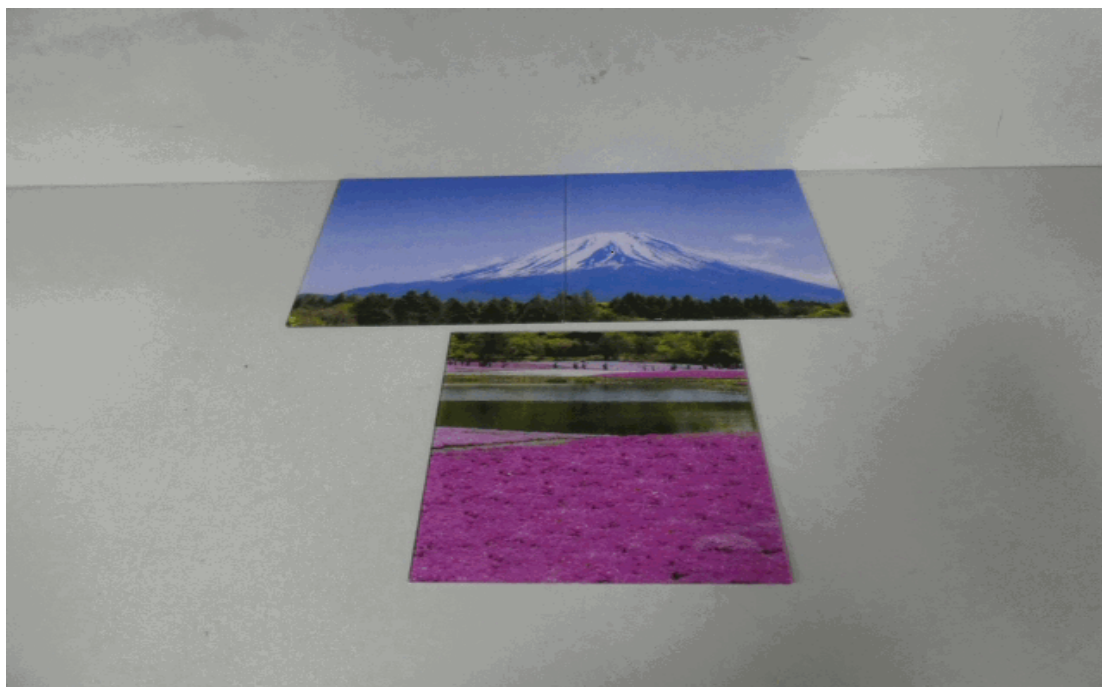
TEST REPORT

Client : Gerflor Australasia Pty Ltd
17 Cato Street
Hawthorn East VIC 3123

Test Number : 25-001588
Issue Date : 16/05/2025
Print Date : 19/05/2025

Sample Description

Clients Ref : "Decoprint 1mm"
Print Vinyl Sheet
Colour : Multicolour
End Use : Wall Covering
Nominal Composition : Homogeneous PVC
Nominal Mass per Unit Area/Density : 1400g/m2
Nominal Thickness : 1mm



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Chris Campbell

APPROVED SIGNATORY



MICHAEL A. JACKSON B.Sc.(Hons)
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ISO 5660.1-2015

Reaction to Fire Tests - Heat Release Smoke Production and Mass Loss Rate Part 1: Heat Release Rate (Cone Calorimeter Method) and Smoke Production Rate (Dynamic Measurement)

Date Tested 16-05-2025
Operator AWTA Test Operator 8
Face Tested Face

	Specimen			Mean	
	1	2	3		
Average Heat Release Rate	27.9	29.0	26.8	27.9	kW/m ²
Average Specific extinction area	187.0	205.0	199.3	197.1	m ² /kg

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	48	40	45	44	sec
Test duration	1848	1840	1845	1844	sec
Peak heat release after ignition	529.4	523.4	560.4	537.7	kW/m ²
Average heat at 180 s	167.3	171.4	167.8	168.8	kW/m ²
Average heat at 300 s	109.3	113.7	109.4	110.8	kW/m ²
Total heat released	50.3	52.2	48.2	50.2	MJ/m ²
Average effective heat of combustion	14.2	14.2	13.5	14.0	MJ/kg
Initial thickness	11	11	11	11.0	mm
Initial mass	77.8	79.7	77.2	78.2	g
Mass at sustained flaming	77.6	79.7	76.8	78.0	g
Mass remaining	49.1	49.9	48.2	49.1	g
Mass loss	3545.7	3683.1	3574.8	3601.2	g/m ²
Average rate of mass loss	2.0	2.0	2.0	2.0	g/m ² .s

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Total smoke Production (Non Flaming phase)	14.1	7.9	12.9	11.6	m ² /m ²
Total smoke Production (Flaming phase)	698.9	763.4	724.0	728.7	m ² /m ²
Total smoke Production (Non Flaming & Flaming phase)	713.0	771.3	736.9	740.4	m ² /m ²
C-Factor (Calibration Constant)	0.041041	0.041041	0.041041	-	
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

Note: All calculations are based on ignition + 30 minutes.

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.

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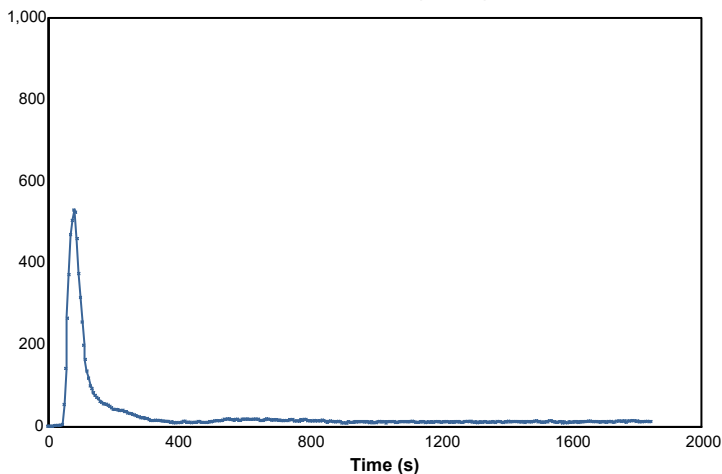
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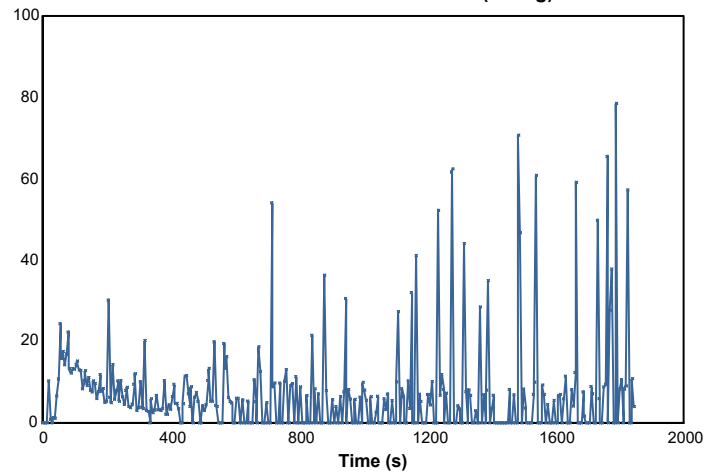
Test Number : 25-001588
Issue Date : 16/05/2025
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Specimen : 1

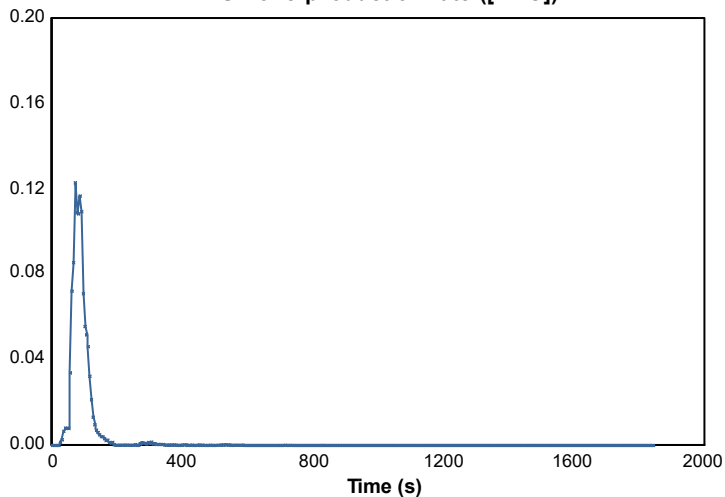
Heat release rate (kW/m²)



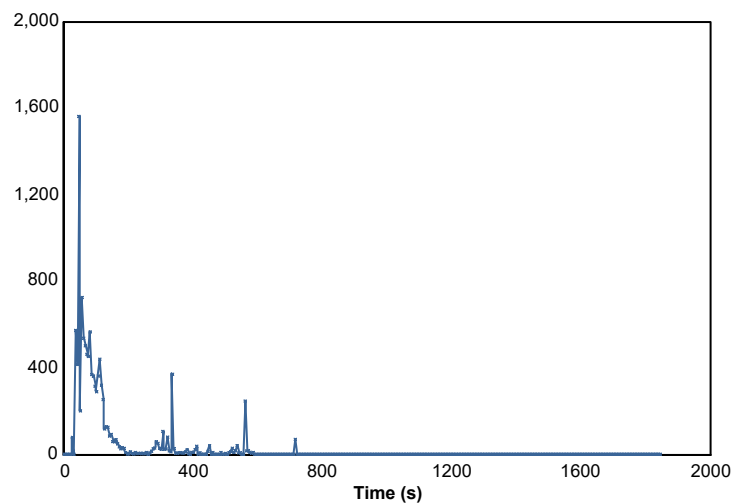
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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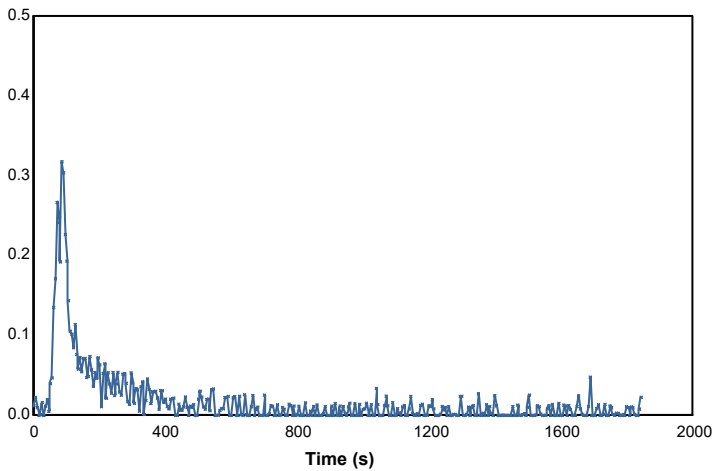
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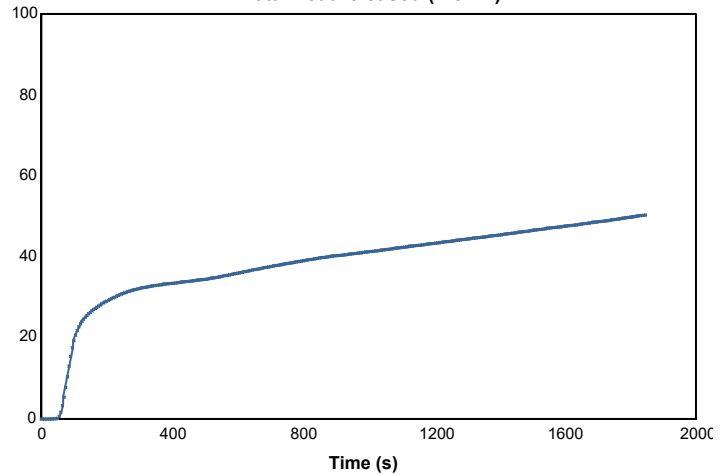
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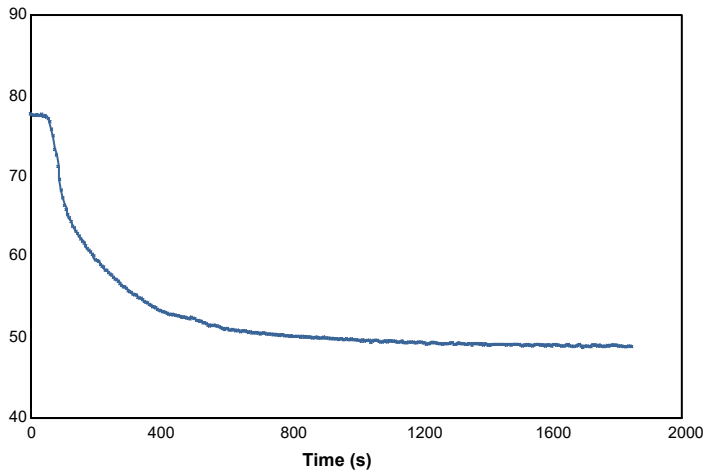
Mass loss rate (g/s)



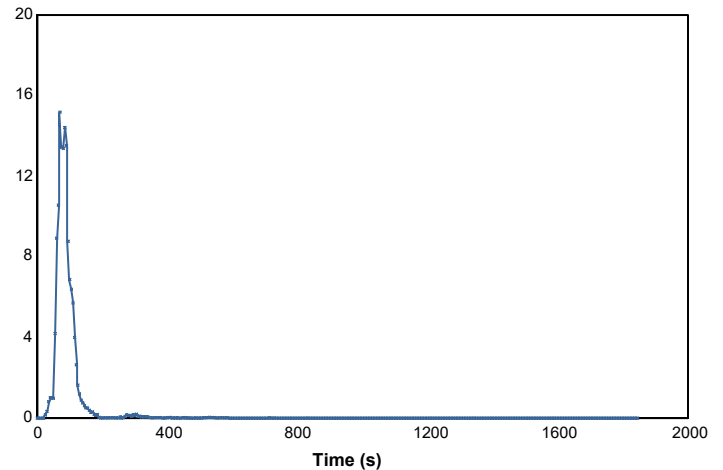
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s]/m²)



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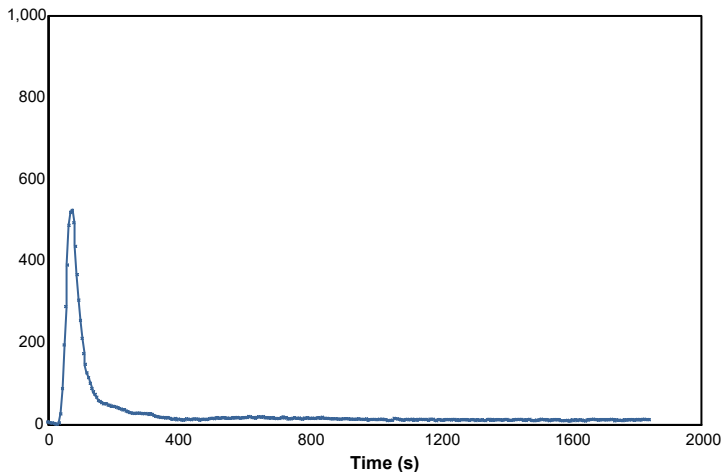
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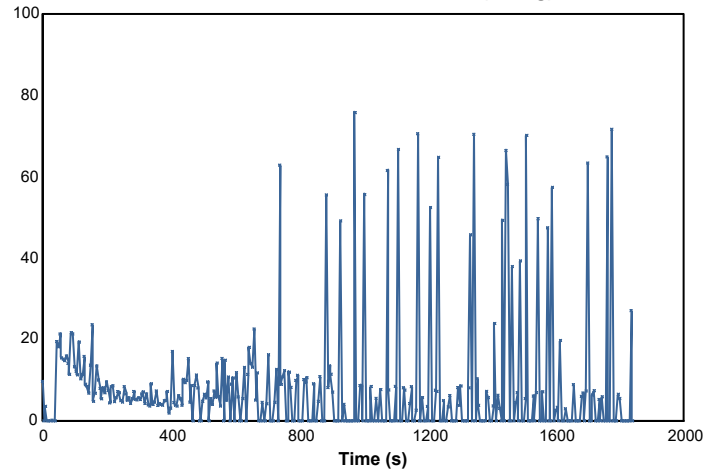
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Specimen : 2

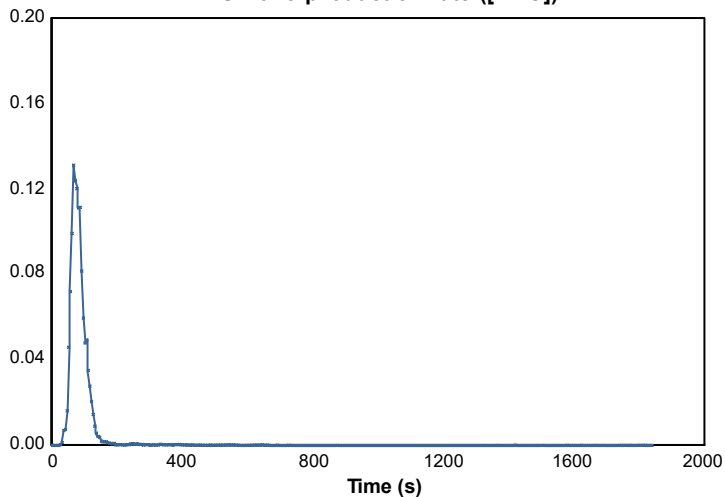
Heat release rate (kW/m²)



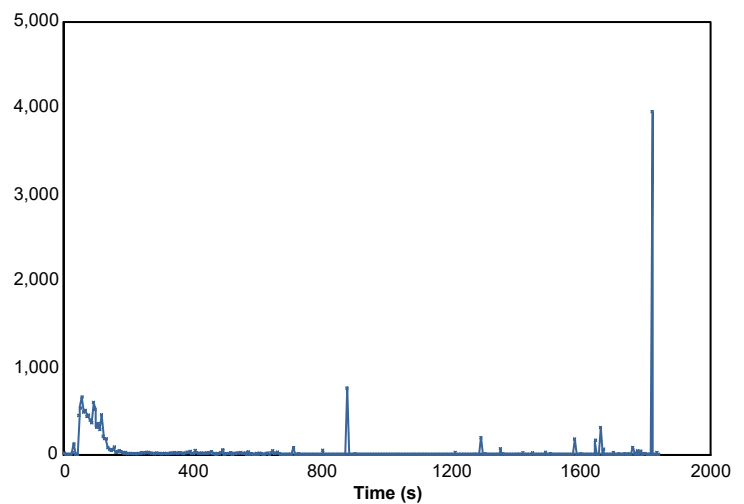
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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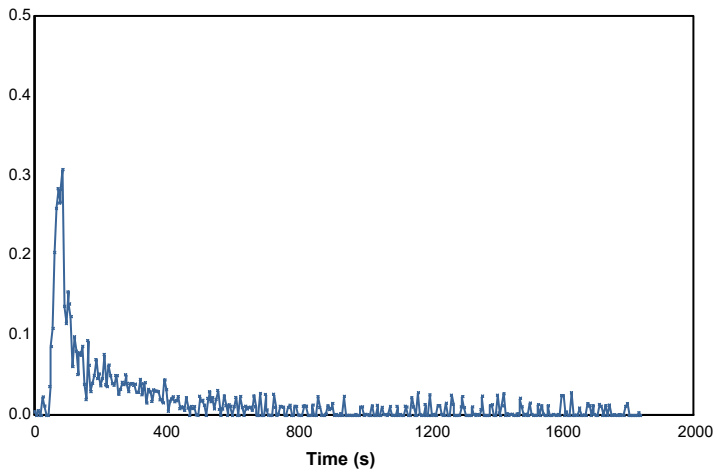
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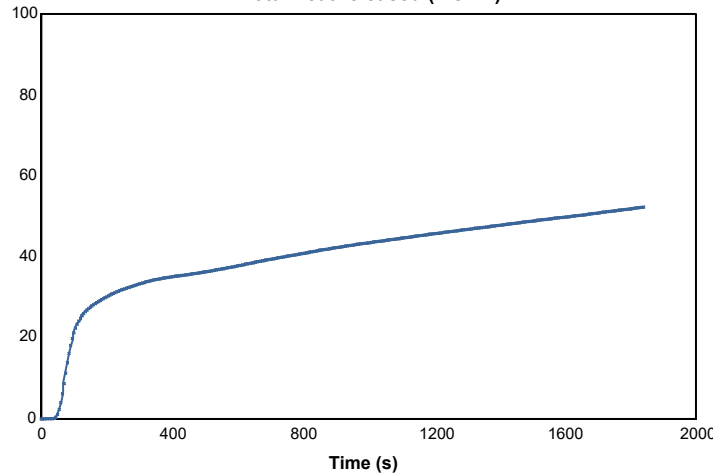
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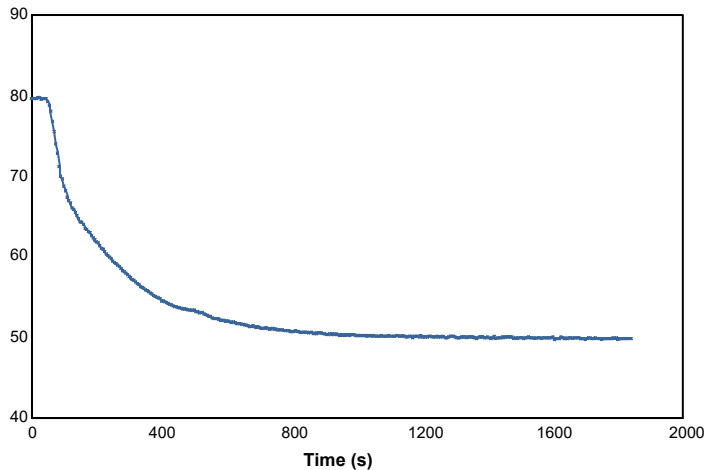
Mass loss rate (g/s)



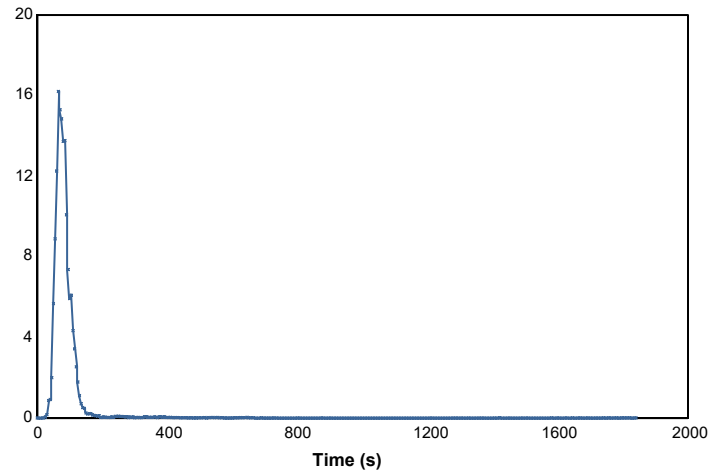
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s]/m²)



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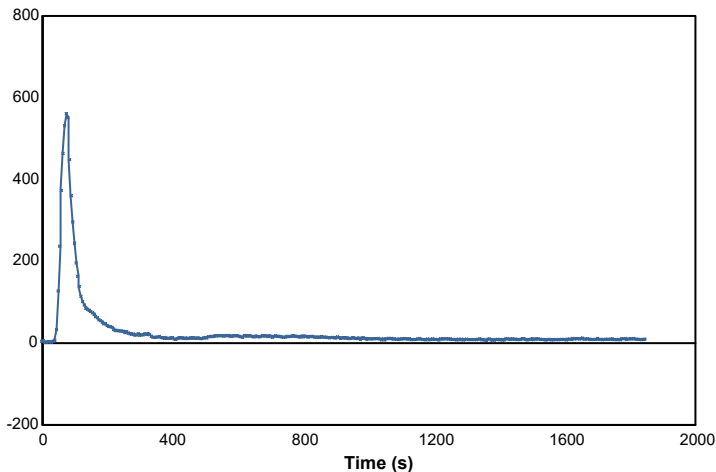
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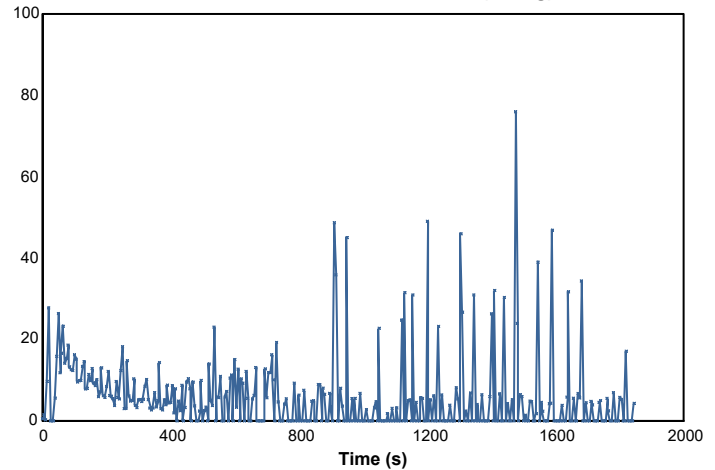
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Specimen : 3

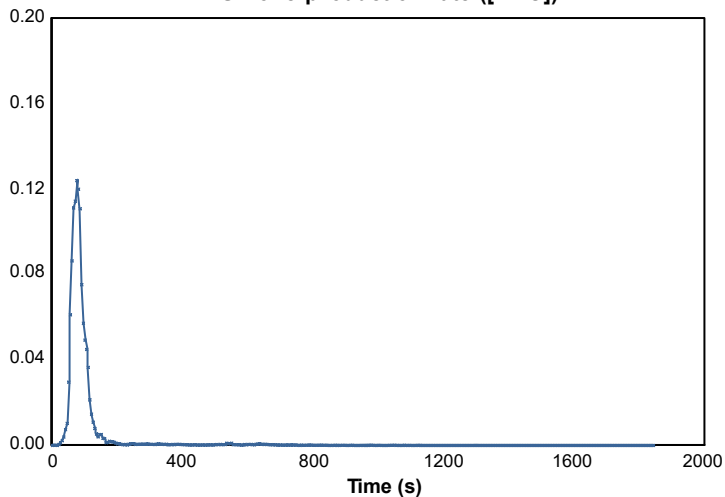
Heat release rate (kW/m²)



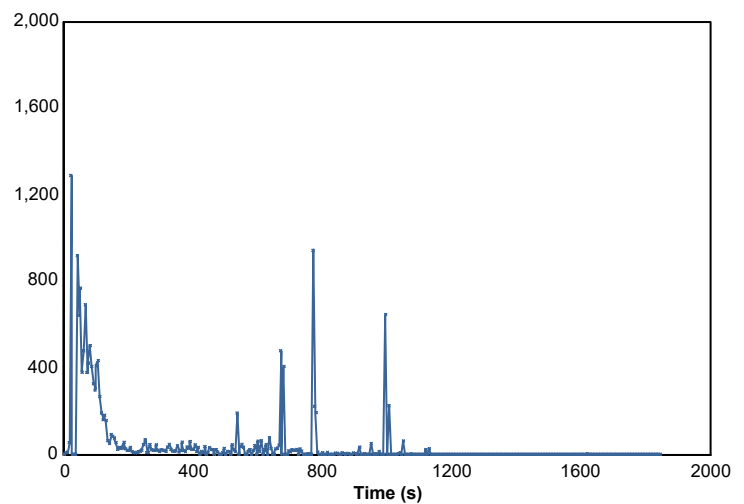
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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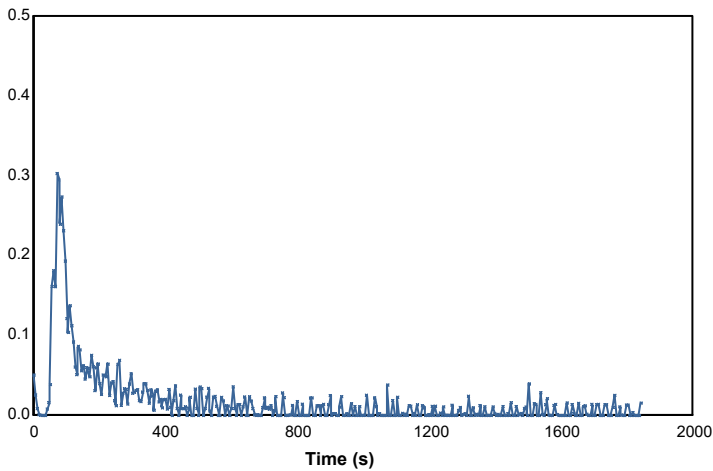
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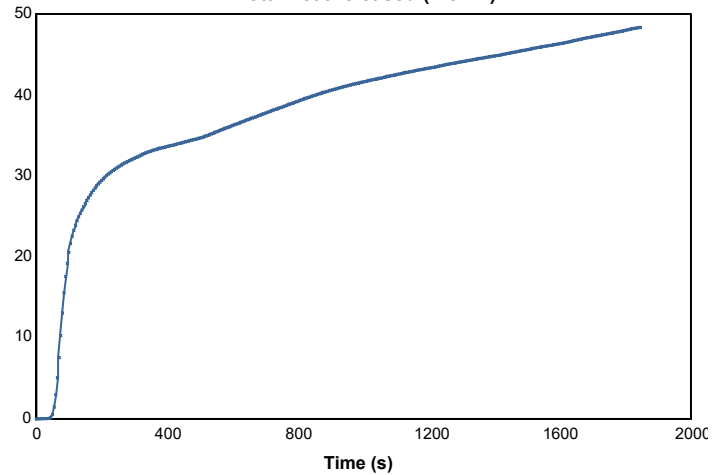
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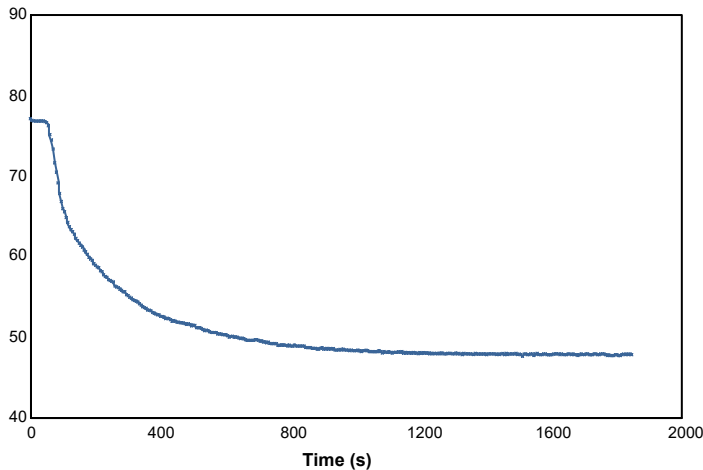
Mass loss rate (g/s)



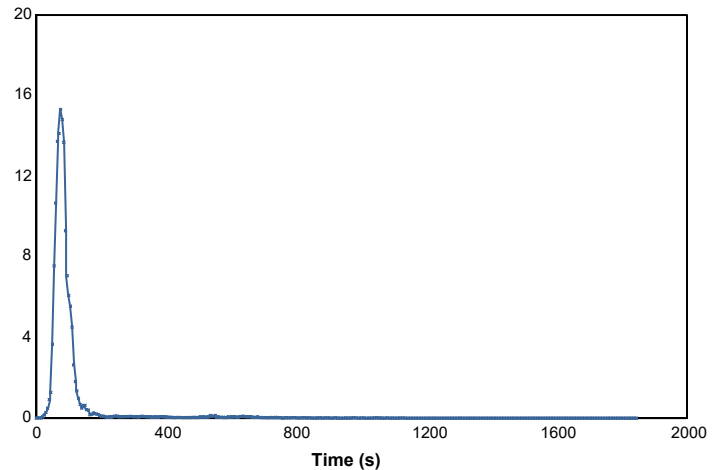
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s]/m²)



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