

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 : Nover & Co. Pty Ltd
19 Wonderland Drive
Eastern Creek NSW 2766

Test Number : 20-002444
Issue Date : 01/06/2020
Print Date : 9/06/2020

Sample Description Clients Ref : "Trespa Meteon"
Rigid Panel
Colour : Black
End Use : Bench tops, Doors, Alfresco BBQ, Kitchens
Nominal Composition : 70% Natural fibres (paper & wood) thermosetting resins
Nominal Mass per Unit Area/Density : Approx: 1.35g/cm³
Nominal Thickness : 13mm

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

Date Tested 29/05/2020
Operator AWTA Test Operator 7
Face Tested Black

	Specimen				
	1	2	3	Mean	
Average Heat Release Rate	35.3	30.1	38.0	34.5	kW/m ²
Average Specific extinction area	3.6	11.7	4.8	6.7	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	0.024	0.024	0.024	0.024	m ³ /s
Time to sustained flaming	87	34	53	58	sec
Test duration	3600	3600	3600	3600	sec
Peak heat release after ignition	103.9	107.2	110.3	107.1	kW/m ²
Average heat at 60 s	58.0	59.6	68.5	62.0	kW/m ²

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APPROVED SIGNATORY

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

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Average heat at 180 s	36.7	42.3	42.1	40.4	kW/m ²
Average heat at 300 s	36.2	30.7	38.8	35.2	kW/m ²
Total heat released	124.0	107.3	134.8	122.0	MJ/m ²
Average effective heat of combustion	10.0	7.7	9.8	9.2	MJ/kg
Initial thickness	13	13	13	13.0	mm
Initial mass	162.4	178.4	174.1	171.6	g
Mass remaining	62.0	65.5	62.3	63.2	g
Mass percentage pyrolysed	61.8	63.3	64.2	63.1	%
Mass loss	12.4	13.9	13.8	13.4	kg/m ²
Average rate of mass loss	3.5	3.9	3.9	3.8	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.

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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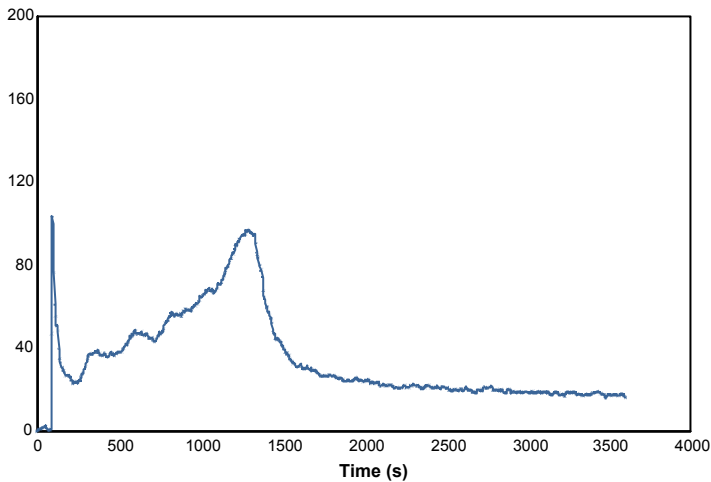
TEST REPORT

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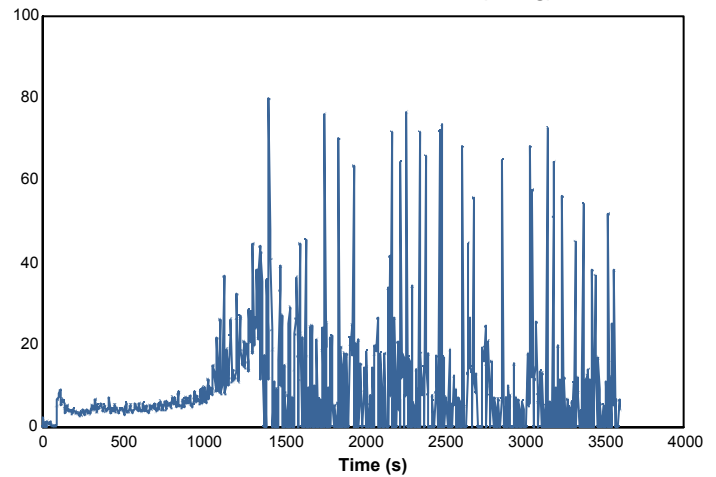
Test Number : 20-002444
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Specimen : 1

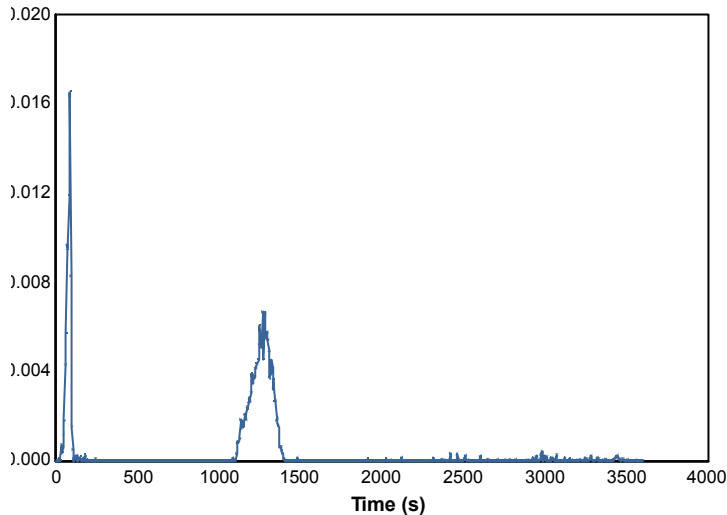
Heat release rate (kW/m²)



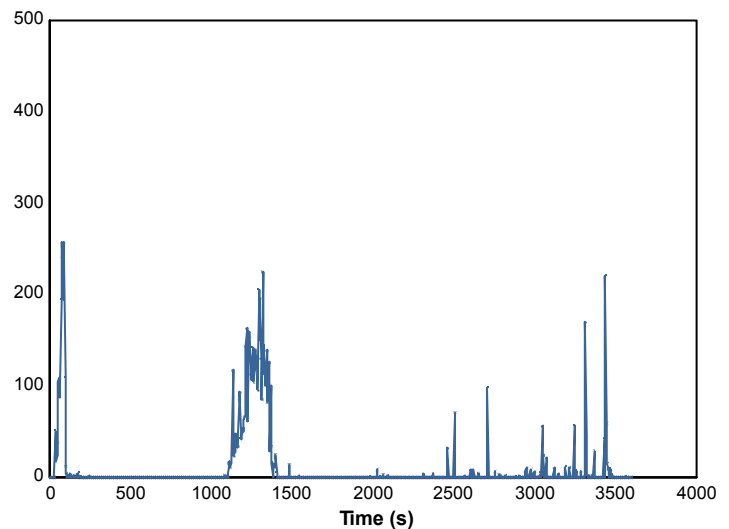
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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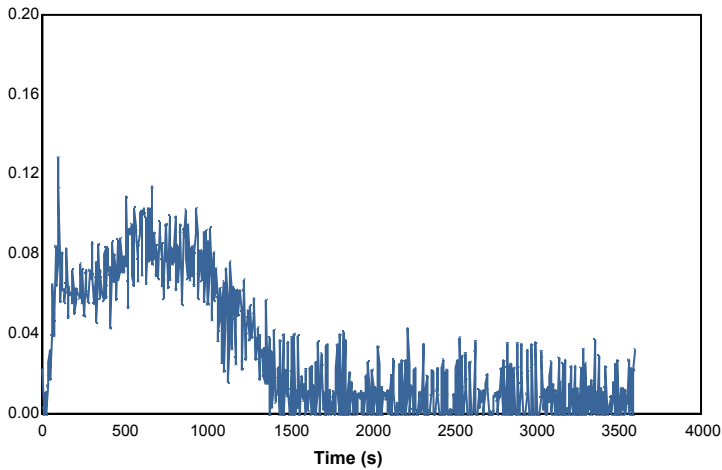
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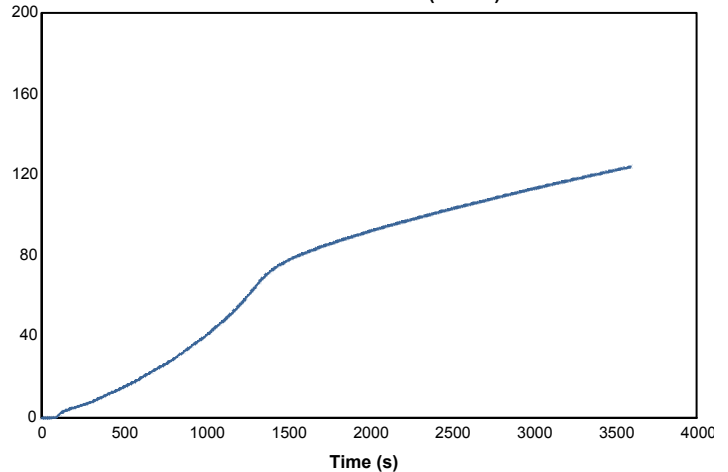
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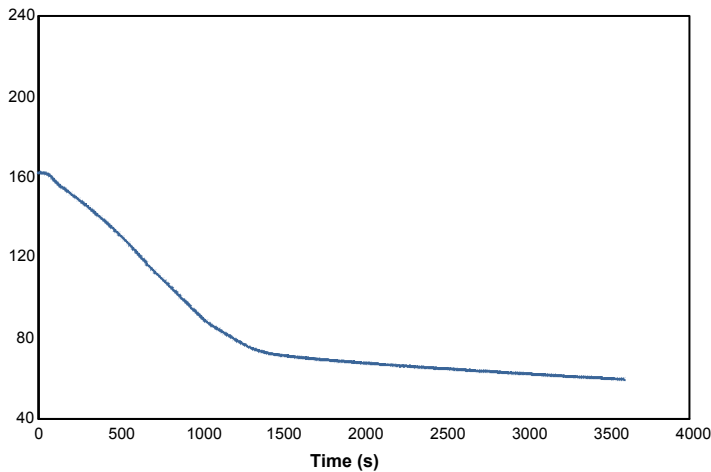
Mass loss rate (g/s)



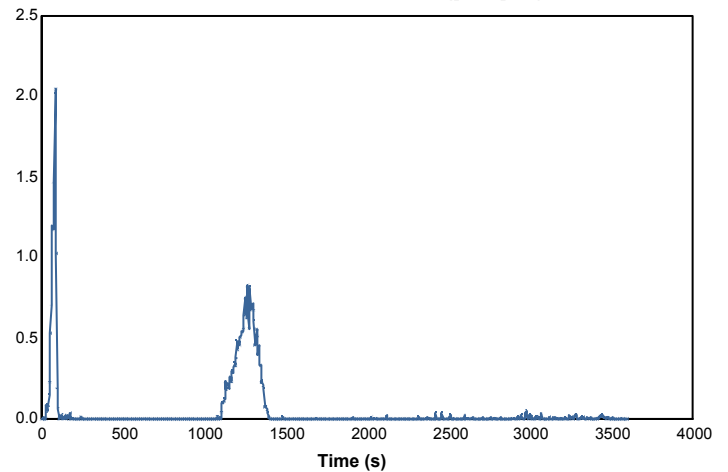
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s)/m²)



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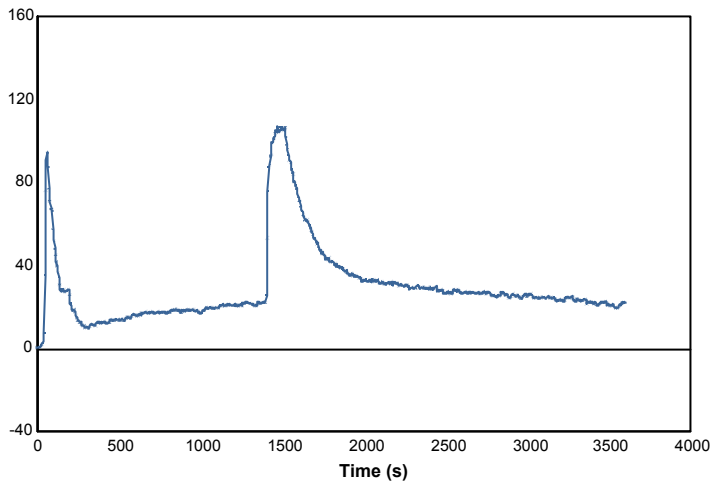
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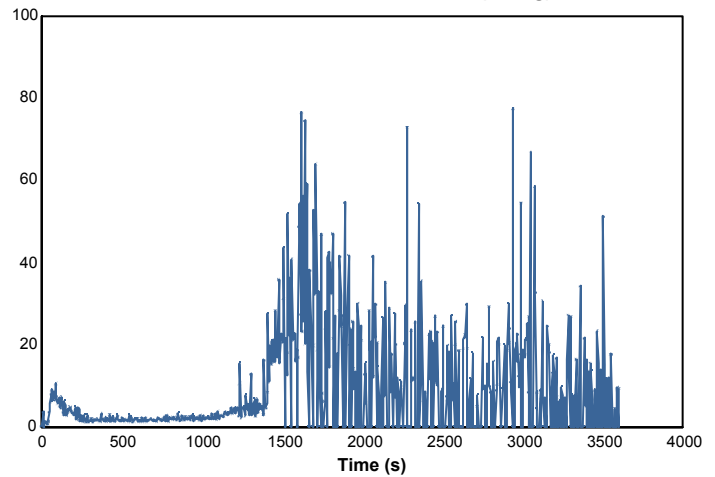
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Specimen : 2

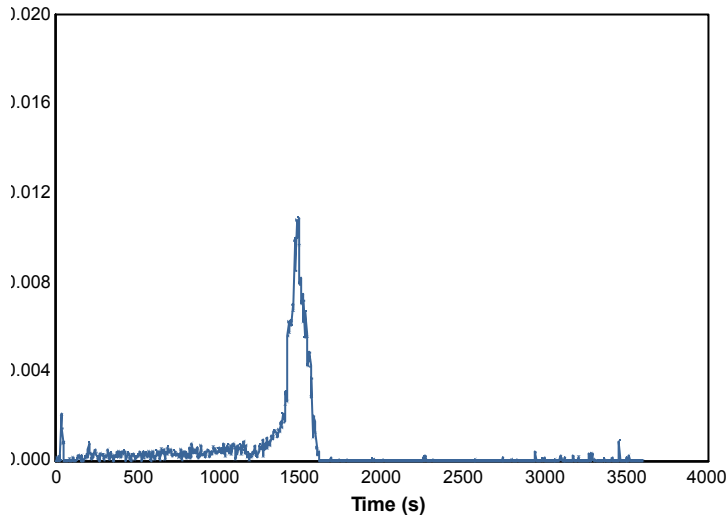
Heat release rate (kW/m²)



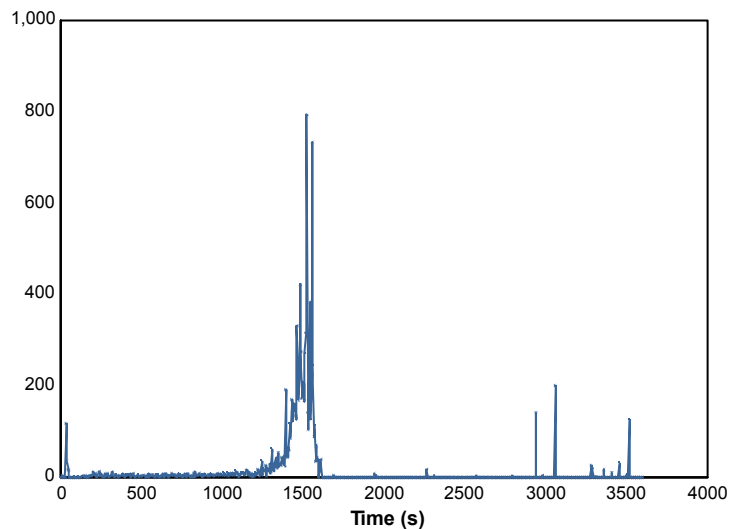
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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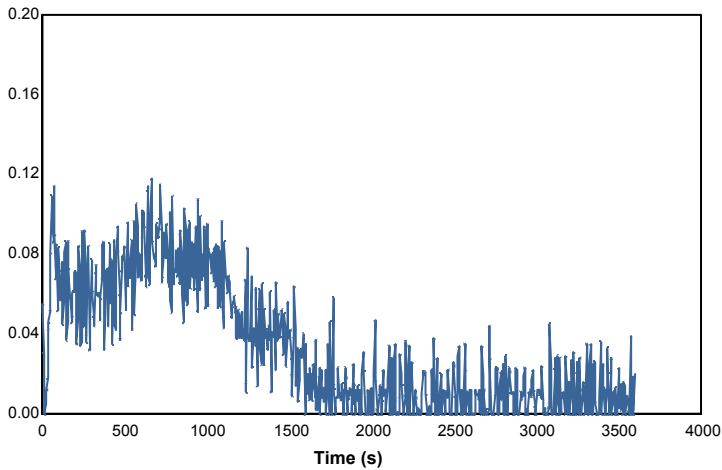
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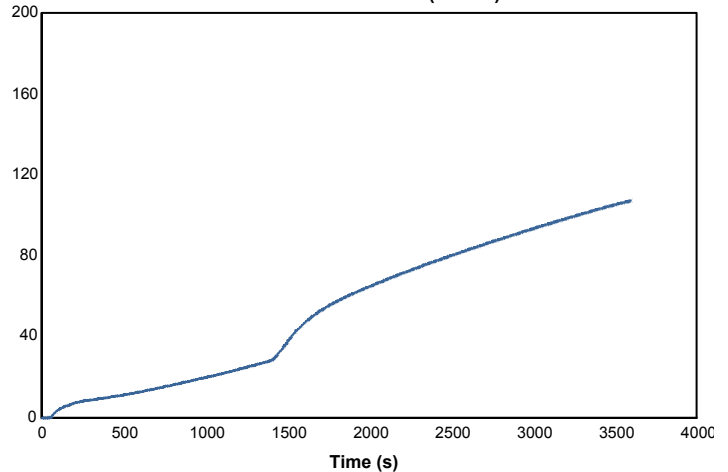
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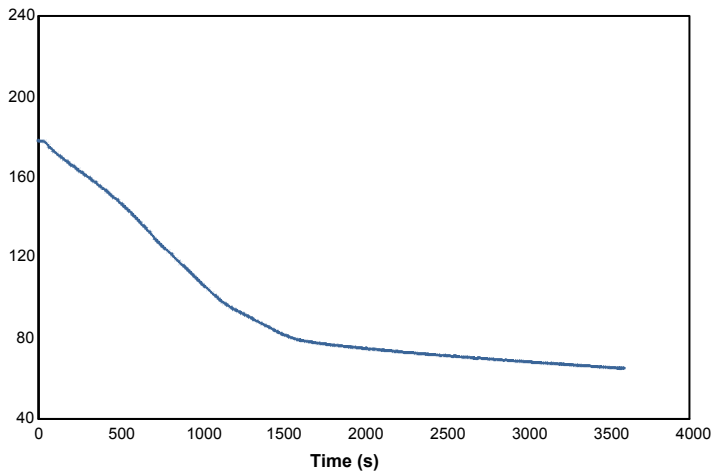
Mass loss rate (g/s)



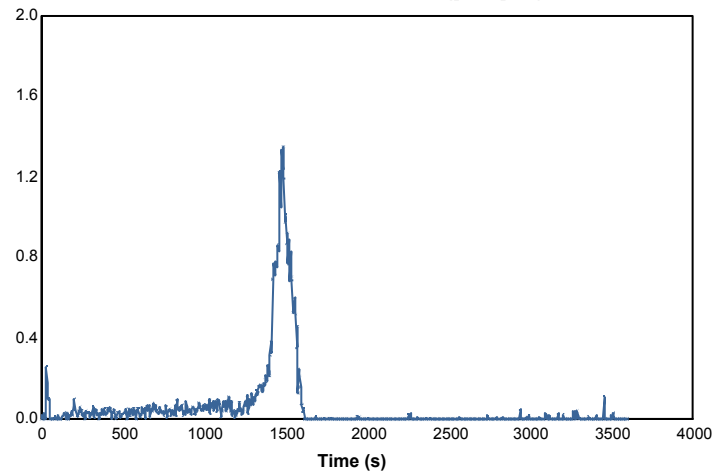
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s]/m²)



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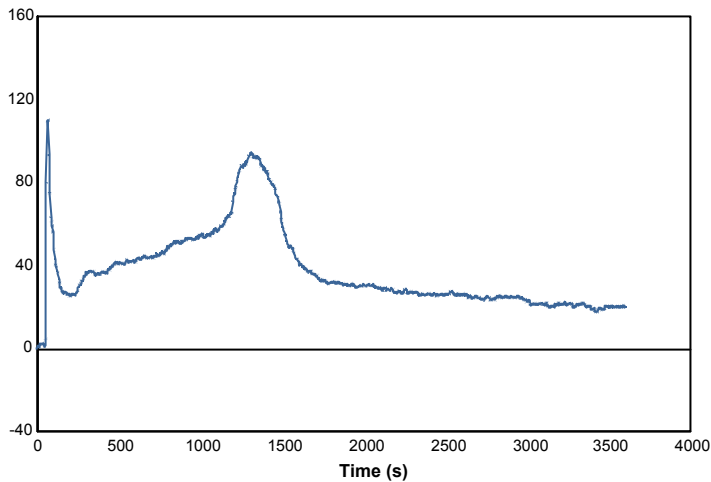
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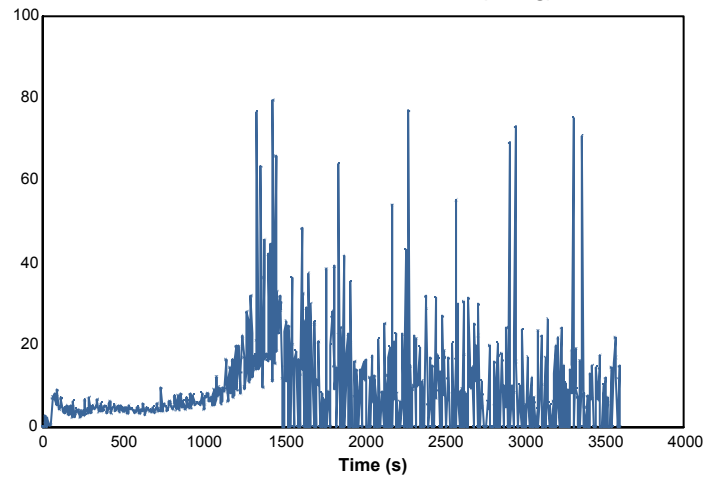
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Specimen : 3

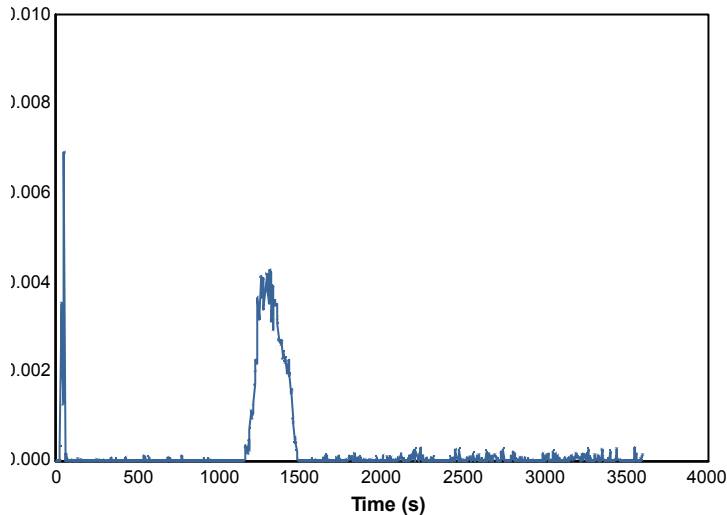
Heat release rate (kW/m²)



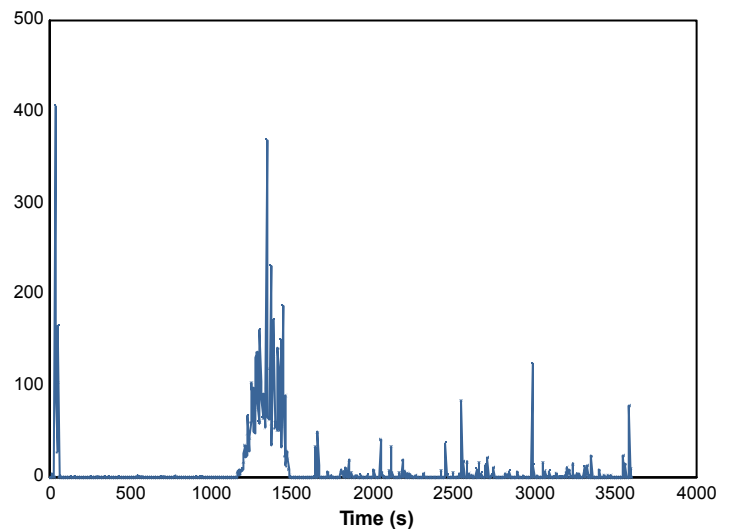
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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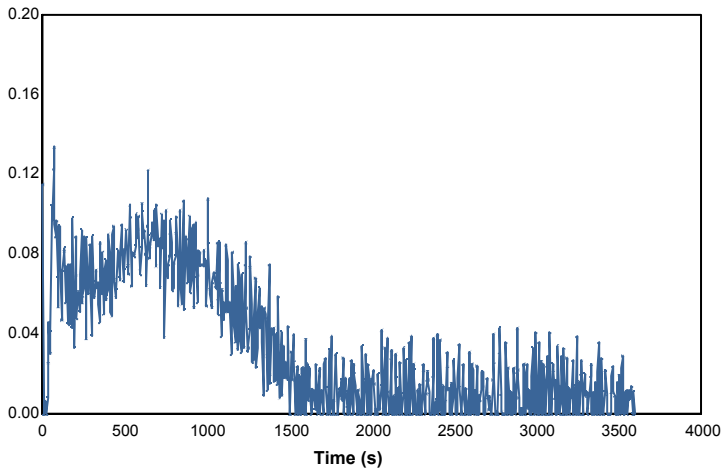
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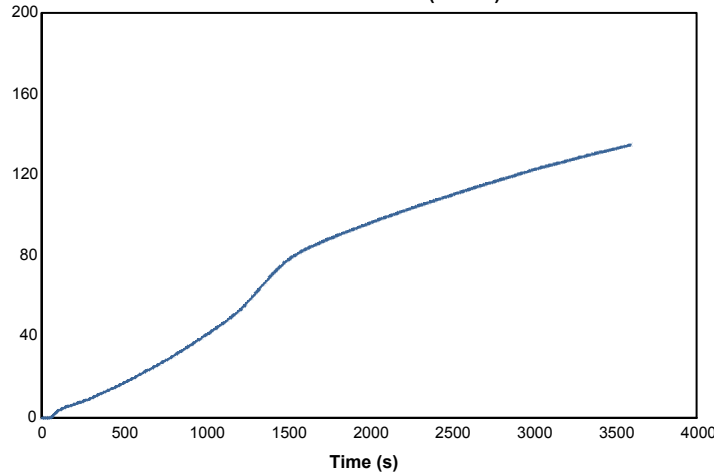
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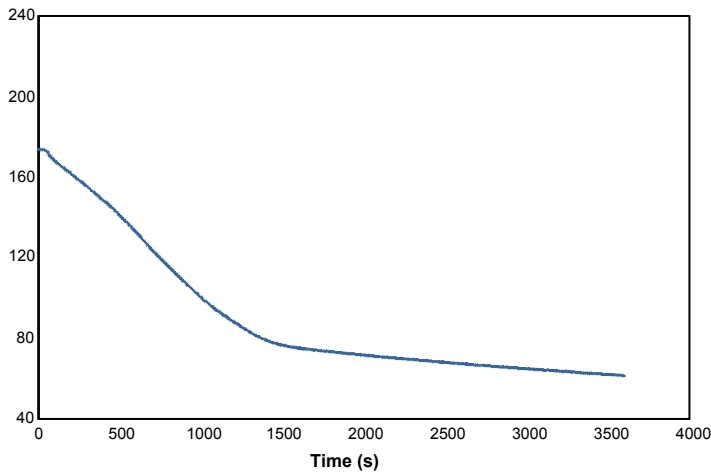
Mass loss rate (g/s)



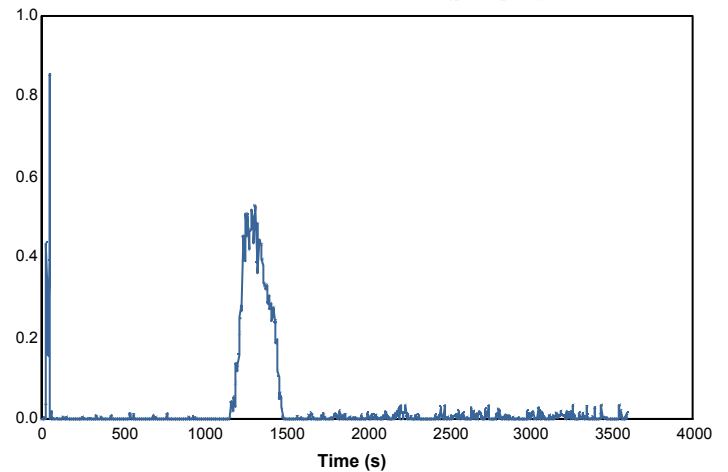
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s]/m²)



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