

AWTA PRODUCT TESTING

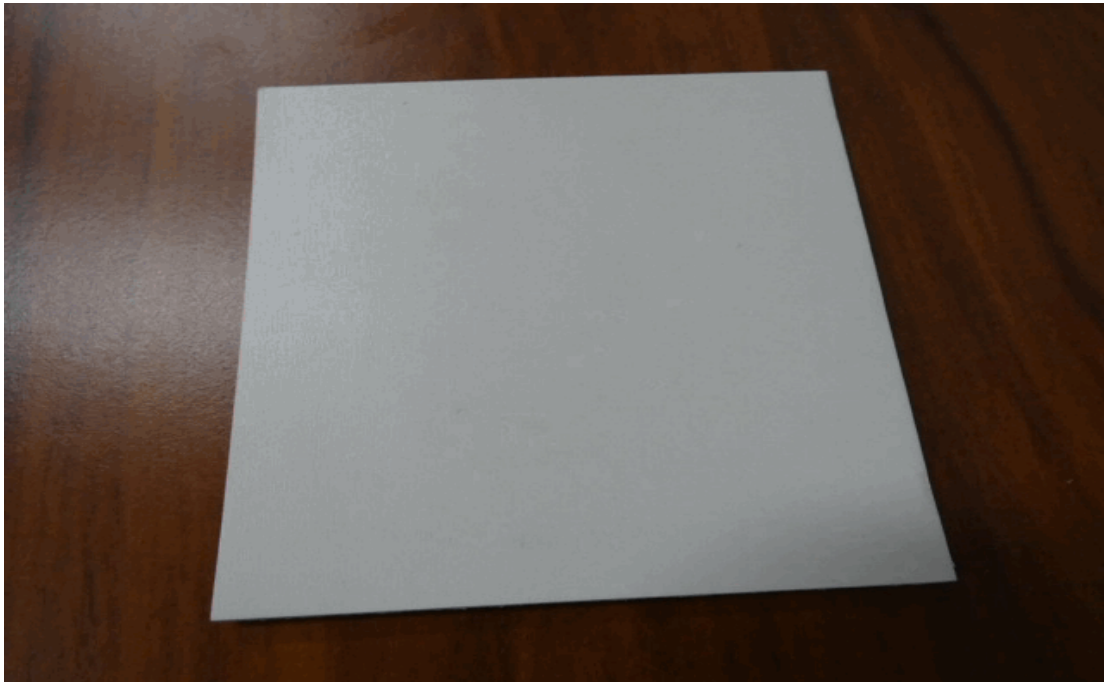
Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
A.B.N 43 006 014 106
1st Floor, 191 Racecourse Road, Flemington, Victoria 3031
P.O Box 240, North Melbourne, Victoria 3051
Phone (03) 9371 2400

TEST REPORT

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

Test Number : 22-000779
Issue Date : 01/04/2022
Print Date : 1/04/2022

Sample Description Clients Ref : "Mural Wall 2mm"
Vinyl sheet
Colour : Off White
End Use : Commercial Wall Covering
Nominal Composition : Homogenous PVC
Nominal Mass per Unit Area/Density : 3150g/m2
Nominal Thickness : 2mm



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Fiona McDonald

APPROVED SIGNATORY

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

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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 01-04-2022
Face Tested FACE

	Specimen			Mean	
	1	2	3		
Average Heat Release Rate	47.6	48.7	46.7	47.7	kW/m ²
Average Specific extinction area	124.5	153.3	108.4	128.7	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	153	128	145	142	sec
Test duration	490	477	483	483	sec
Peak heat release after ignition	81.9	85.2	77.8	81.6	kW/m ²
Average heat at 60 s	77.4	81.4	75.0	77.9	kW/m ²
Average heat at 180 s	70.6	74.3	68.0	71.0	kW/m ²
Average heat at 300 s	51.6	54.2	50.5	52.1	kW/m ²
Total heat released	16.1	17.2	15.9	16.4	MJ/m ²
Average effective heat of combustion	8.6	8.6	8.1	8.4	MJ/kg
Initial thickness	12	12	12	12.0	mm
Initial mass	101.3	100.8	102.6	101.6	g
Mass remaining	86.3	84.7	86.7	85.9	g
Mass percentage pyrolysed	14.8	16.0	15.5	15.5	%

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Mass loss	1.9	2.0	2.0	1.9	kg/m ²
Average rate of mass loss	5.6	5.6	5.8	5.7	g/m ² .s
Additional Observations	NONE				
Difficulties Encountered during Testing	NONE				

Retainer grid was used to contain the test specimen within the sample holder

Samples were adhered to a substrate of 10mm thick plasterboard using Roberts 656 wallcovering adhesive prior to testing.

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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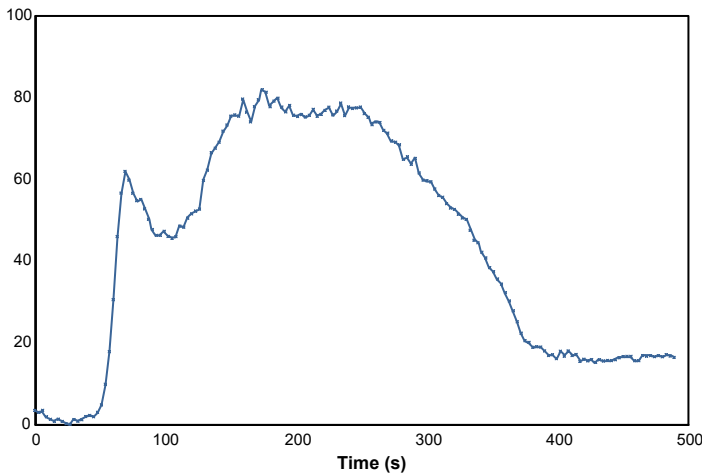
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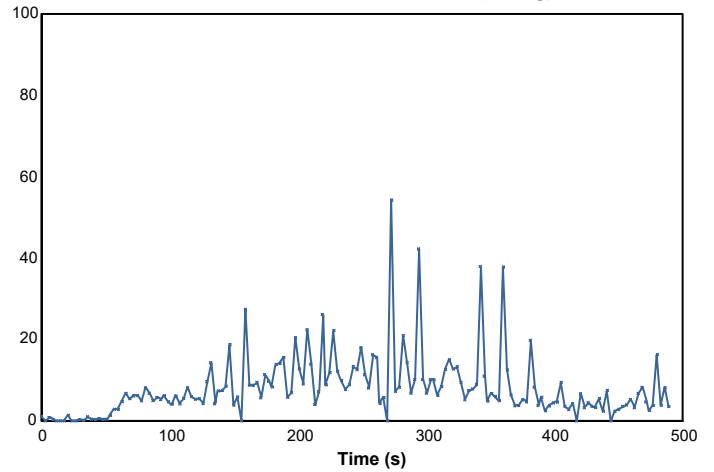
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Specimen : 1

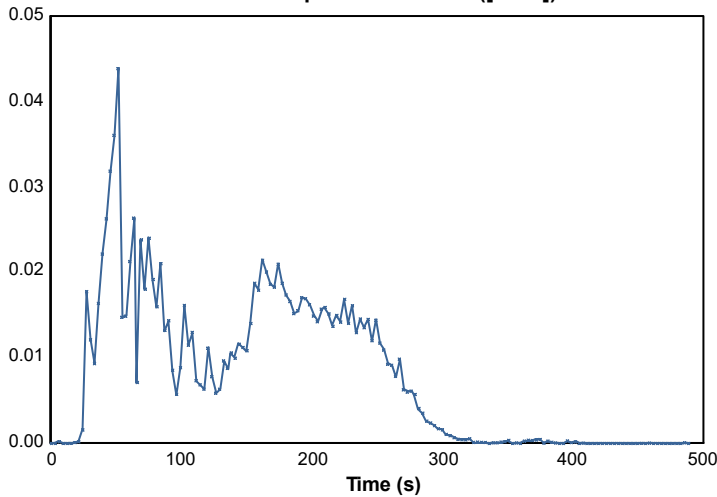
Heat release rate (kW/m²)



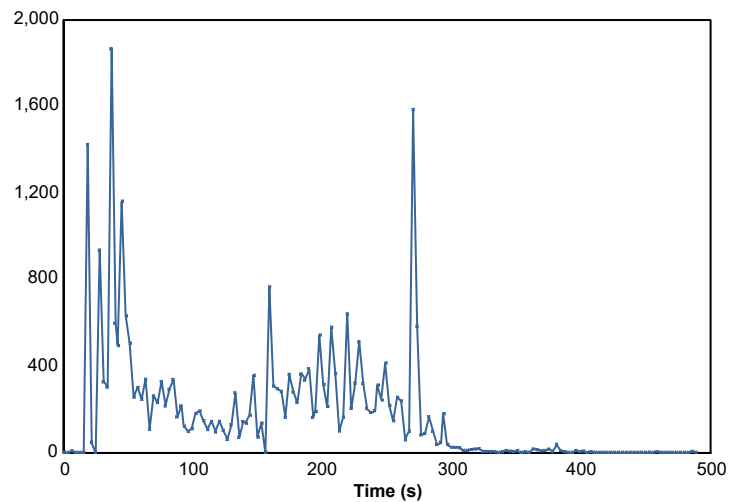
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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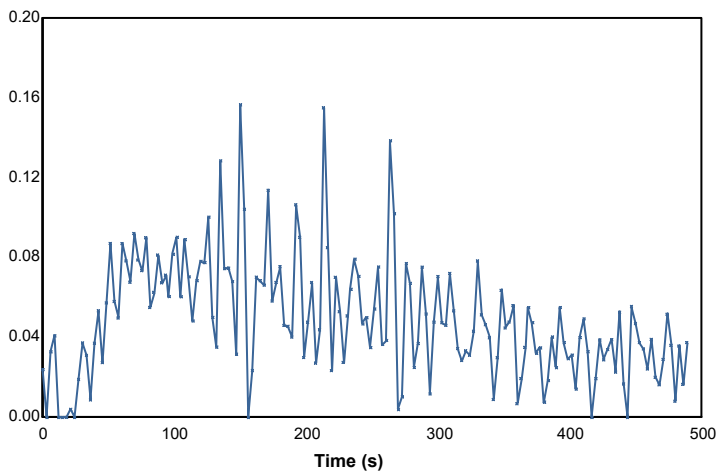
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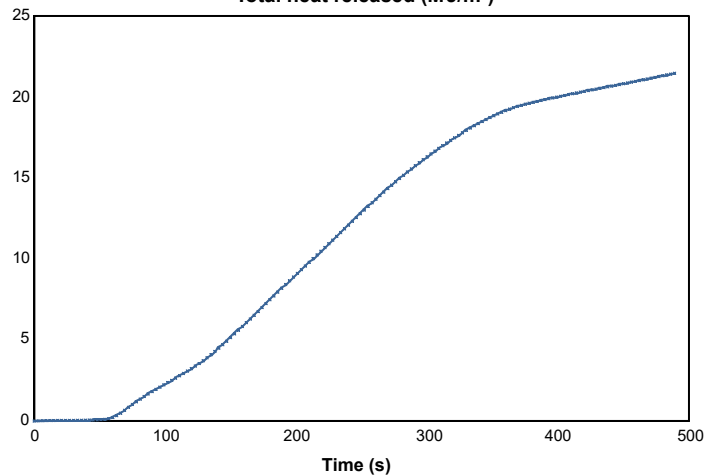
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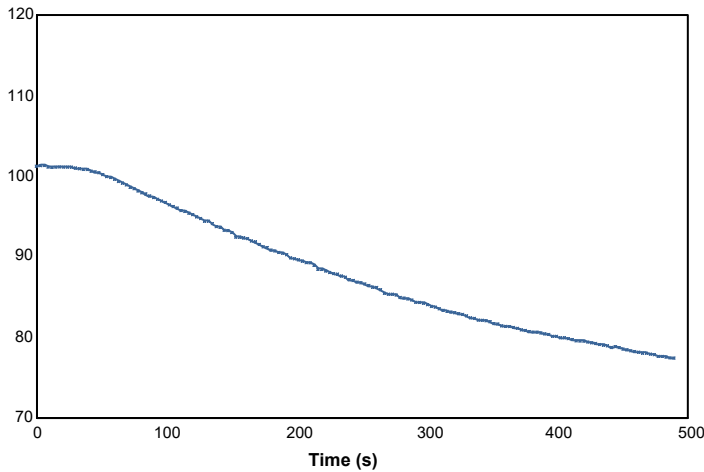
Mass loss rate (g/s)



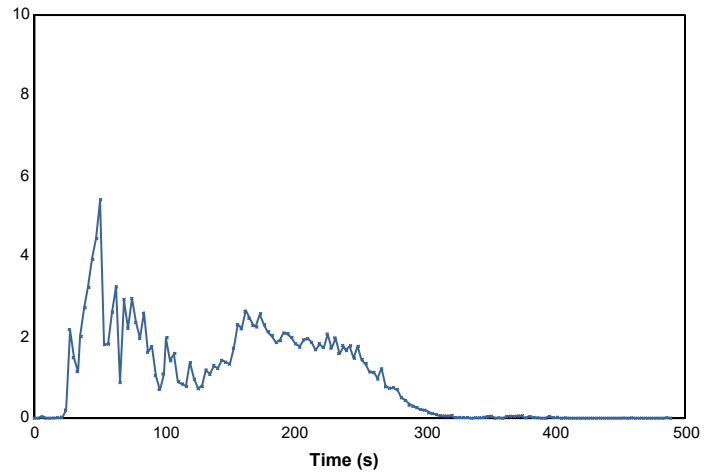
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s]/m²)



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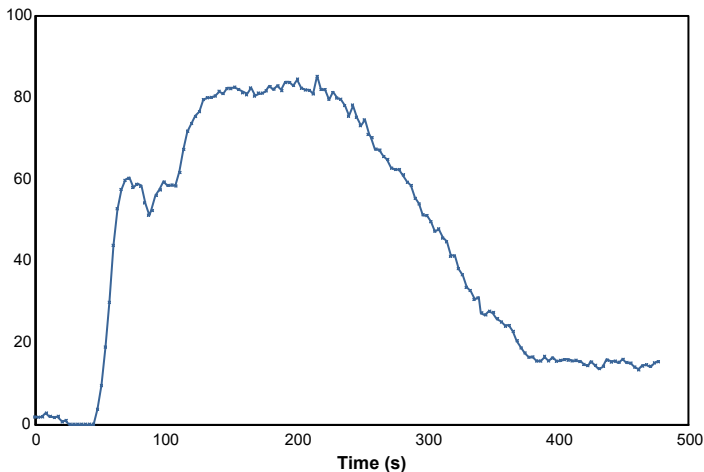
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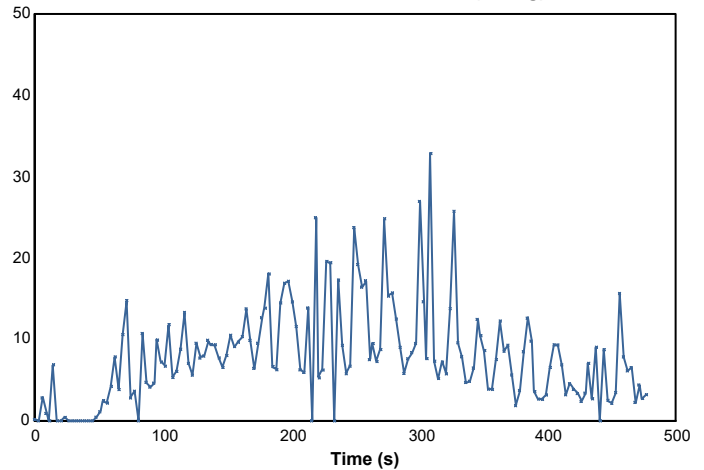
Test Number : 22-000779
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Specimen : 2

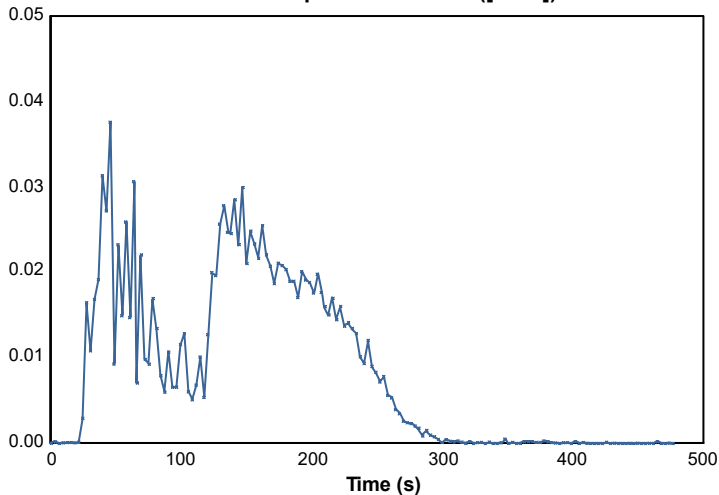
Heat release rate (kW/m²)



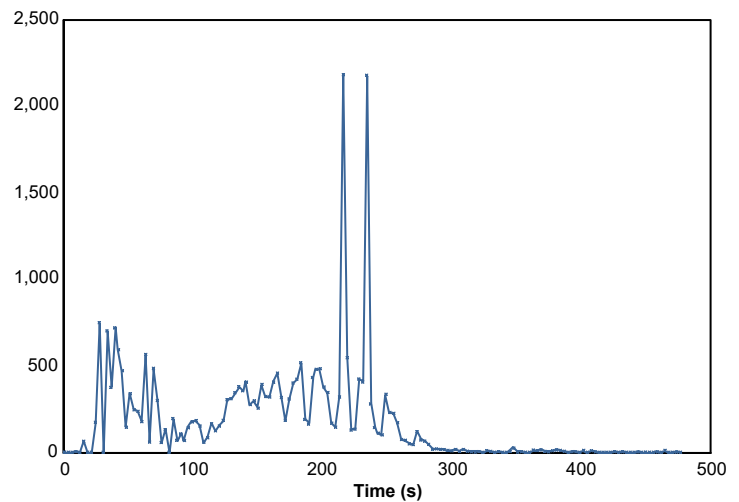
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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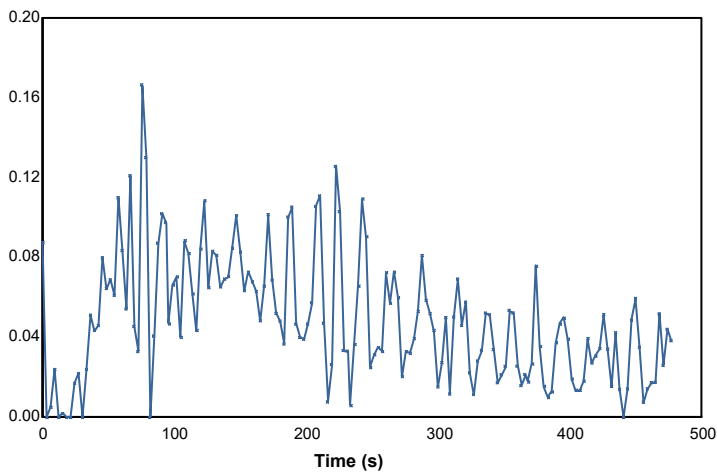
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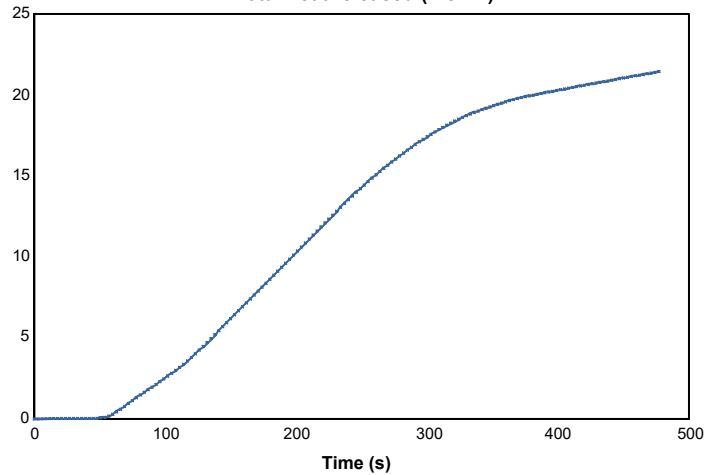
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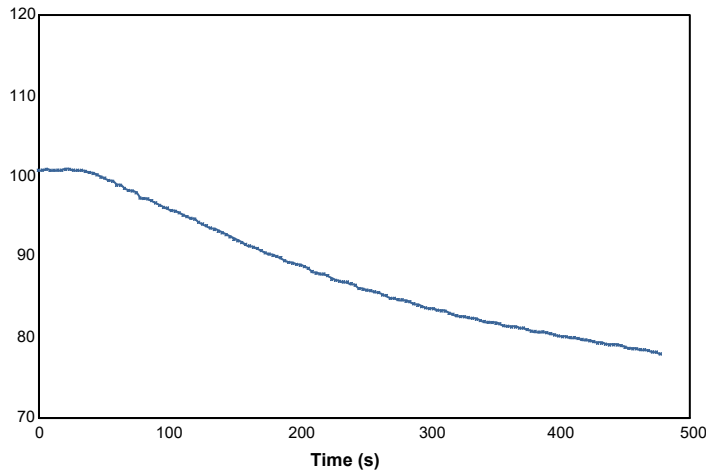
Mass loss rate (g/s)



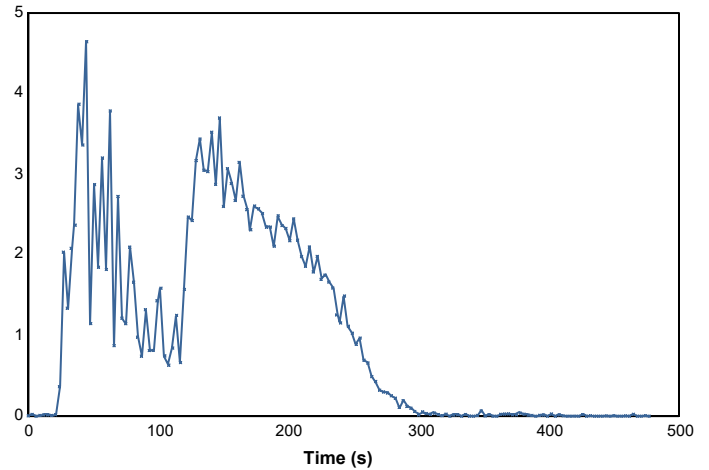
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s]/m²)



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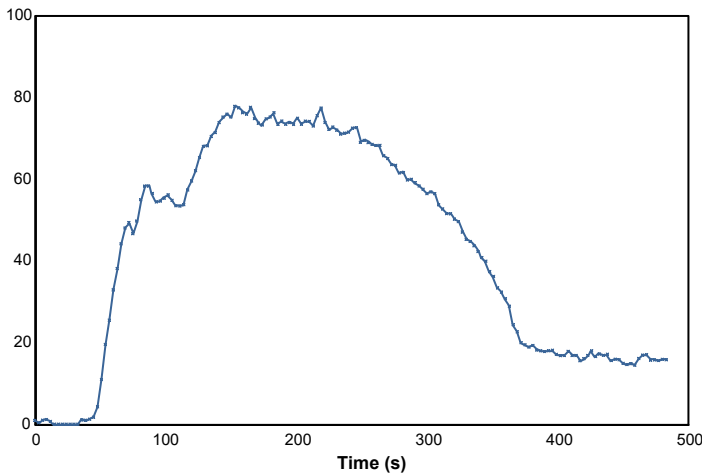
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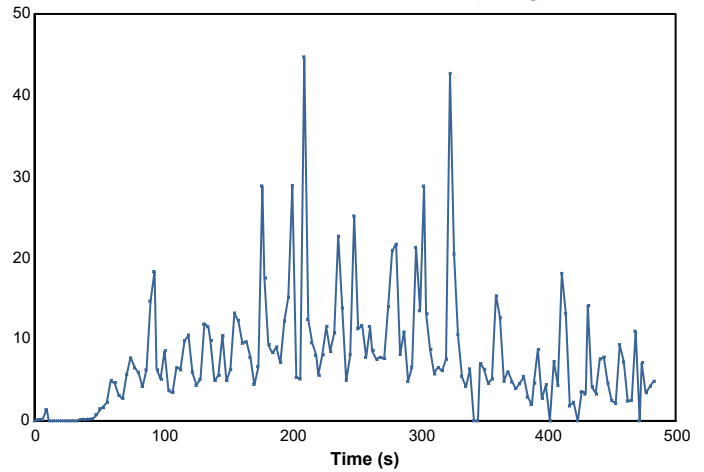
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Specimen : 3

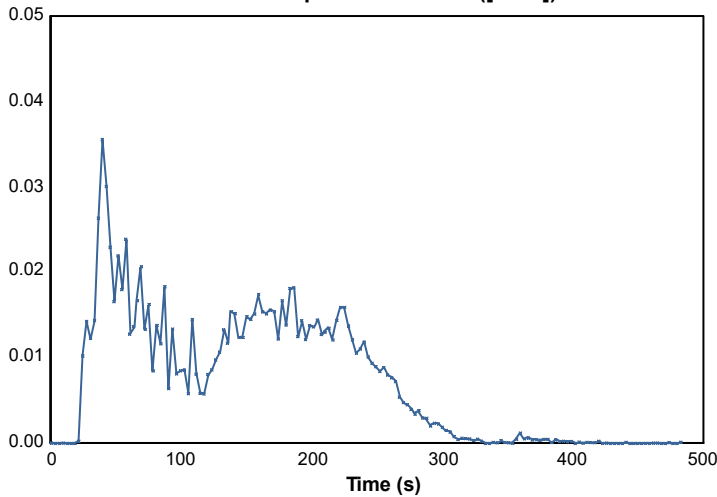
Heat release rate (kW/m²)



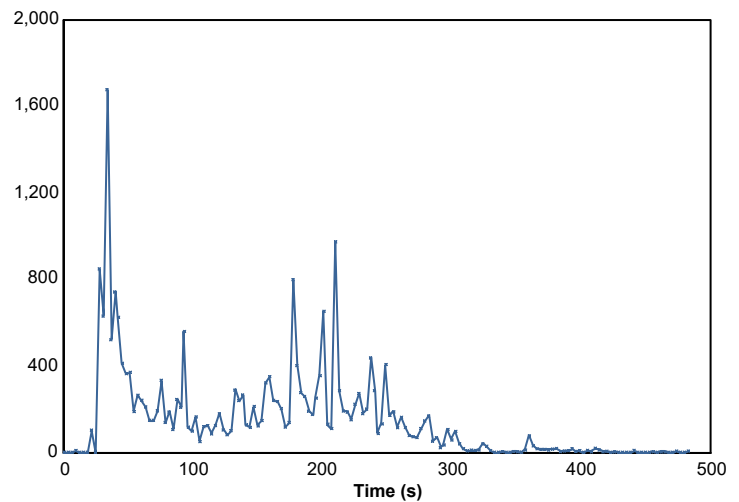
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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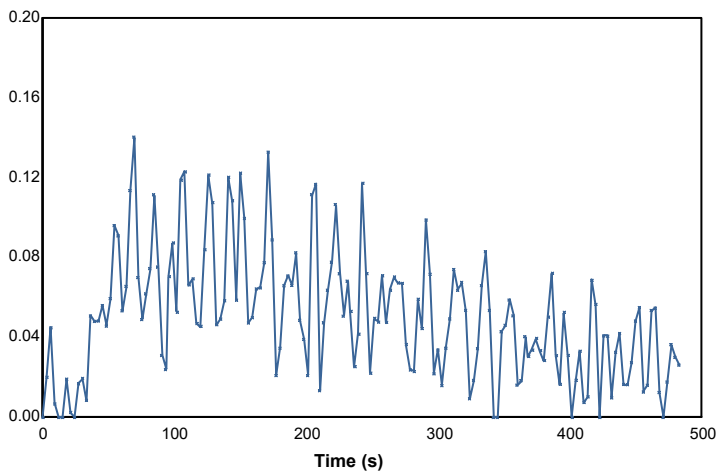
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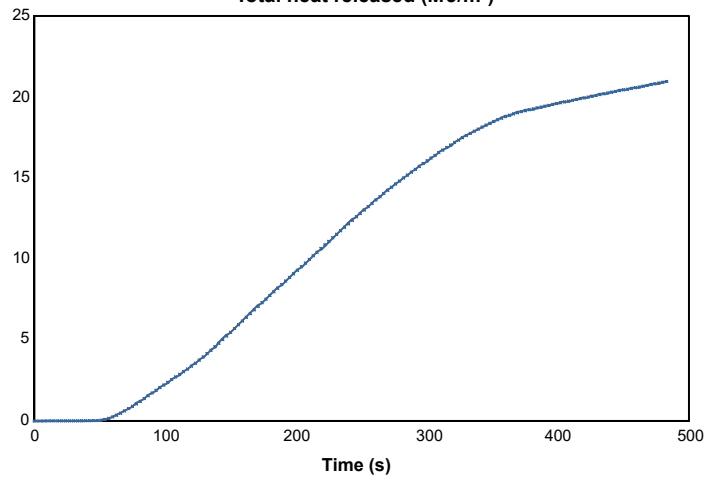
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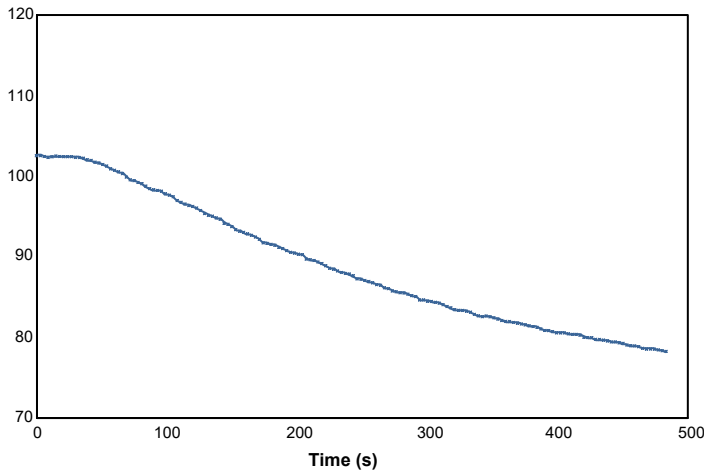
Mass loss rate (g/s)



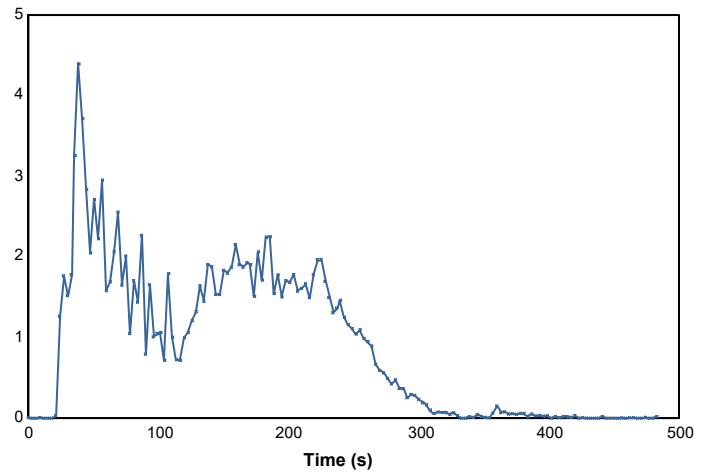
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s]/m²)



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