

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

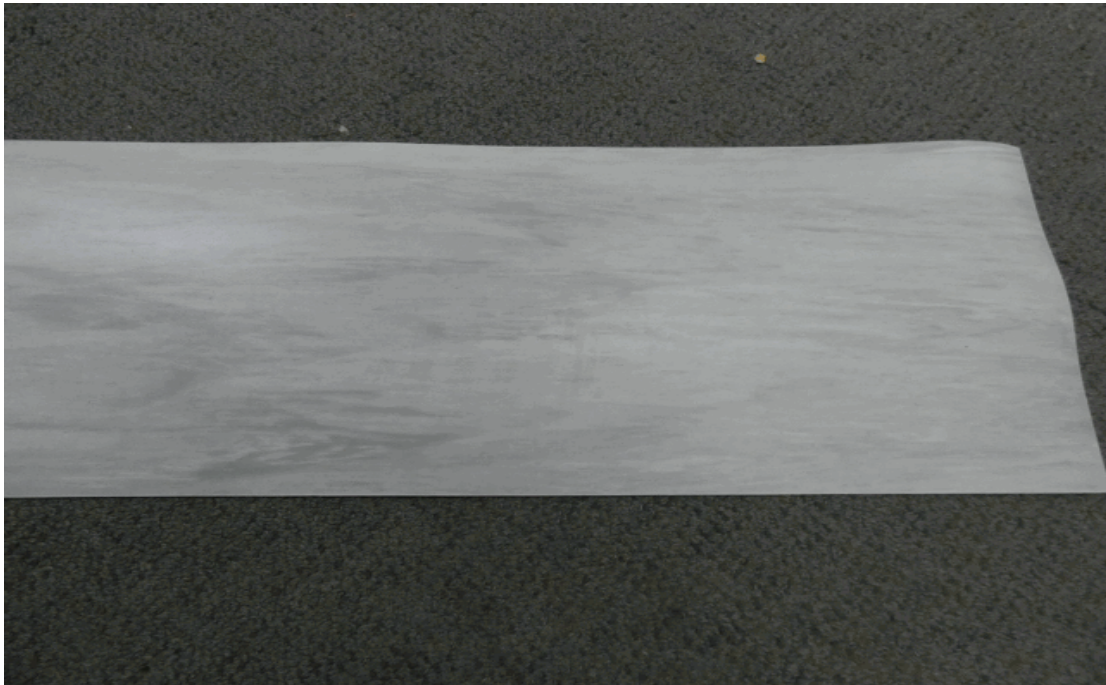
TEST REPORT

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

Test Number : 25-005468
Issue Date : 16/12/2025
Print Date : 16/12/2025

Sample Description

Clients Ref : "Mipolam 180"
Vinyl Sheeting
Colour : Grey
End Use : Commercial Wall Covering
Nominal Composition : Homogeneous PVC
Nominal Mass per Unit Area/Density : 3360g/m2
Nominal Thickness : 2mm



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Accreditation Numbers: 983, 985, and 1356

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Chris Campbell
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 16-12-2025
Operator AWTA Test Operator 21
Face Tested Face

| | Specimen | | | | |
|----------------------------------|----------|-------|-------|-------|--------------------|
| | 1 | 2 | 3 | Mean | |
| Average Heat Release Rate | 67.9 | 68.1 | 71.2 | 69.1 | kW/m ² |
| Average Specific extinction area | 303.1 | 310.1 | 307.4 | 306.9 | m ² /kg |

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 | 28 | 28 | 36 | 31 | sec |
| Test duration | 462 | 439 | 443 | 448 | sec |
| Peak heat release after ignition | 137.9 | 142.3 | 146.7 | 142.3 | kW/m ² |
| Average heat at 60 s | 120.4 | 125.9 | 136.7 | 127.7 | kW/m ² |
| Average heat at 180 s | 112.5 | 114.0 | 117.2 | 114.6 | kW/m ² |
| Average heat at 300 s | 90.8 | 87.4 | 90.1 | 89.4 | kW/m ² |
| Total heat released | 29.5 | 28.0 | 29.0 | 28.8 | MJ/m ² |
| Average effective heat of combustion | 10.1 | 9.9 | 10.4 | 10.1 | MJ/kg |
| Initial thickness | 12 | 12 | 12 | 12.0 | mm |
| Initial mass | 89.2 | 88.6 | 89.2 | 89.0 | g |
| Mass remaining | 65.6 | 65.9 | 66.3 | 66.0 | g |
| Mass percentage pyrolysed | 26.4 | 25.6 | 25.6 | 25.9 | % |

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| | | | | | |
|---|-----|-----|-----|-----|---------------------|
| Mass loss | 2.9 | 2.8 | 2.8 | 2.8 | kg/m ² |
| Average rate of mass loss | 6.7 | 6.9 | 6.9 | 6.8 | g/m ² .s |
| 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

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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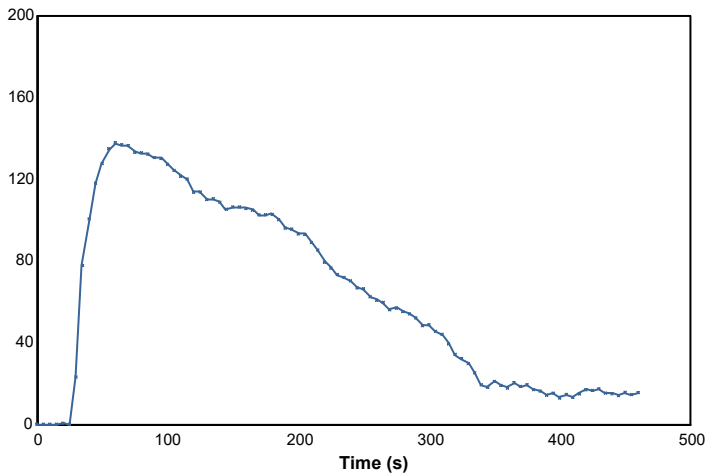
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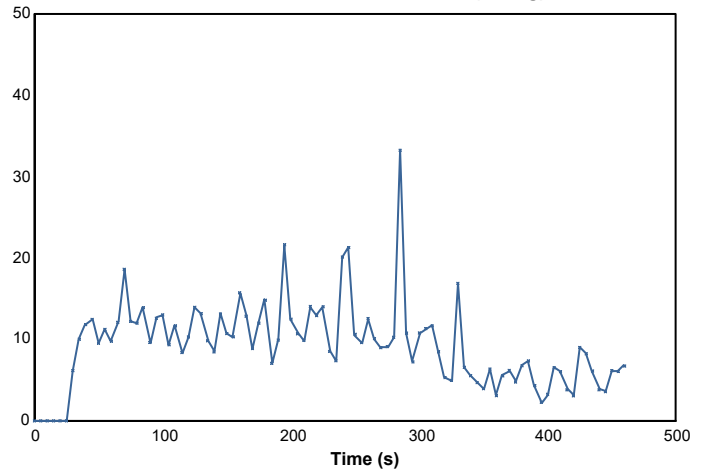
Test Number : 25-005468
Issue Date : 16/12/2025
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Specimen : 1

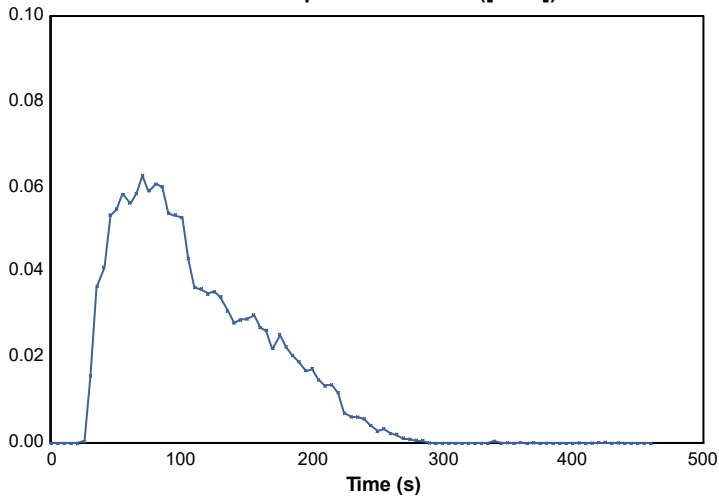
Heat release rate (kW/m²)



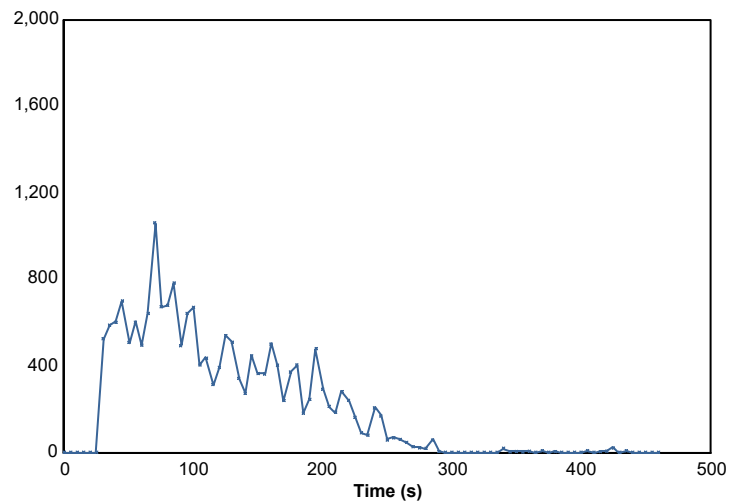
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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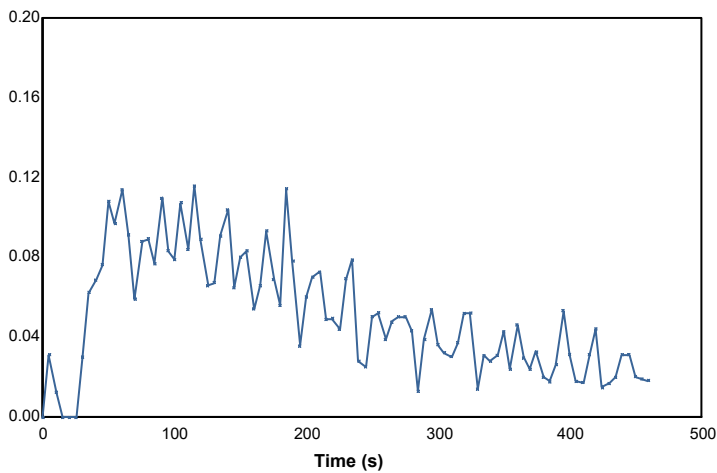
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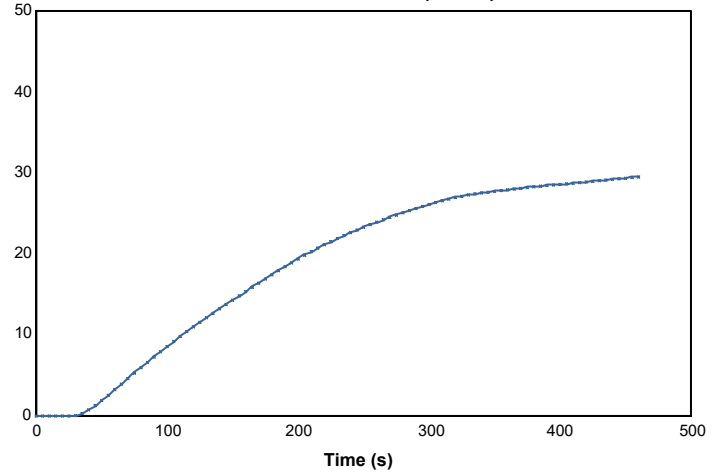
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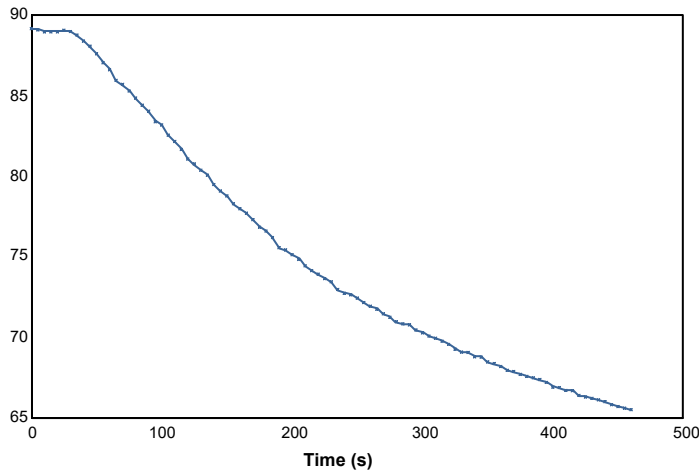
Mass loss rate (g/s)



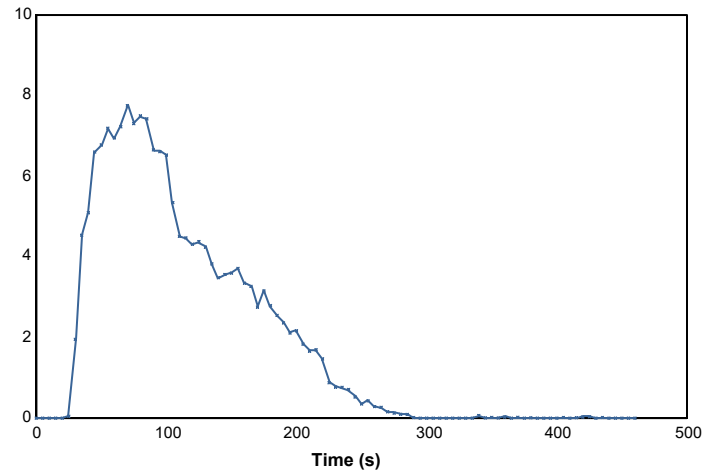
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s]/m²)



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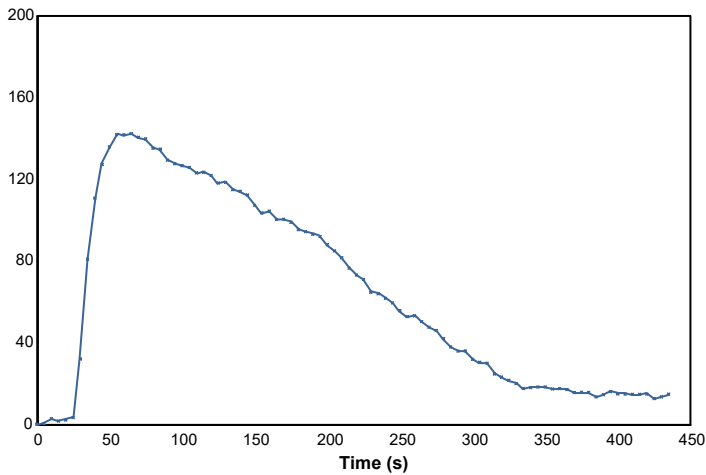
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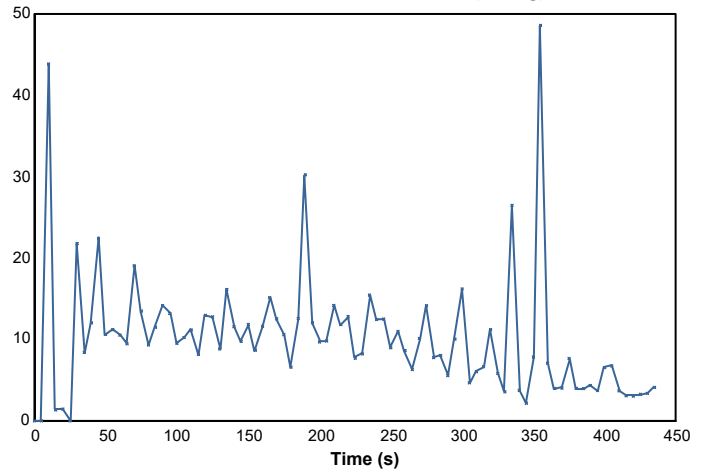
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Specimen : 2

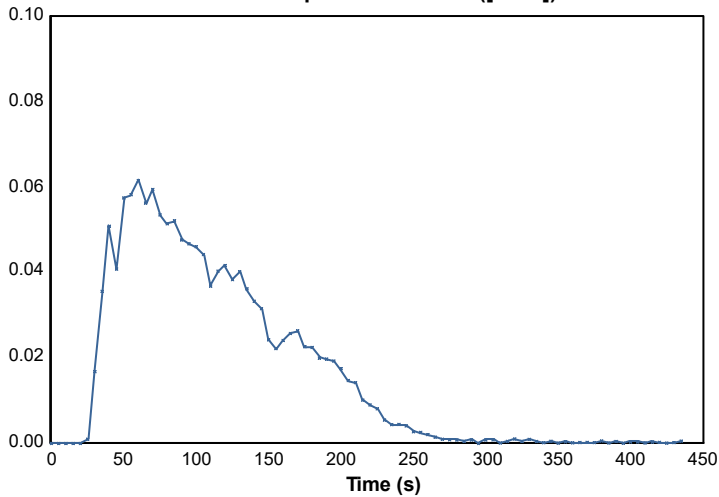
Heat release rate (kW/m²)



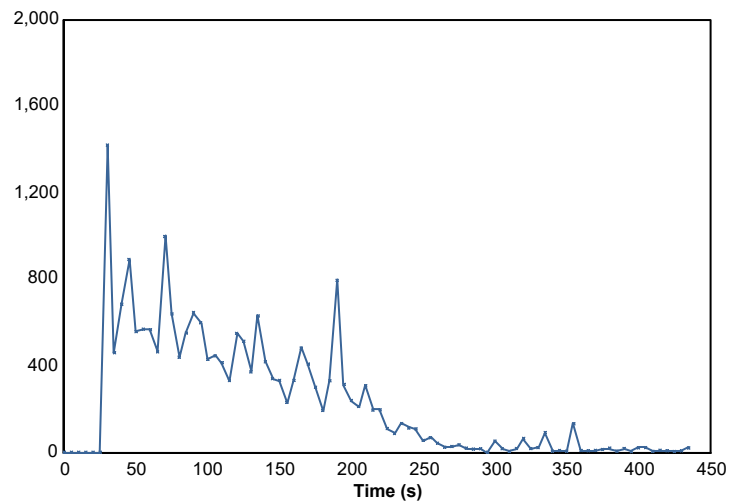
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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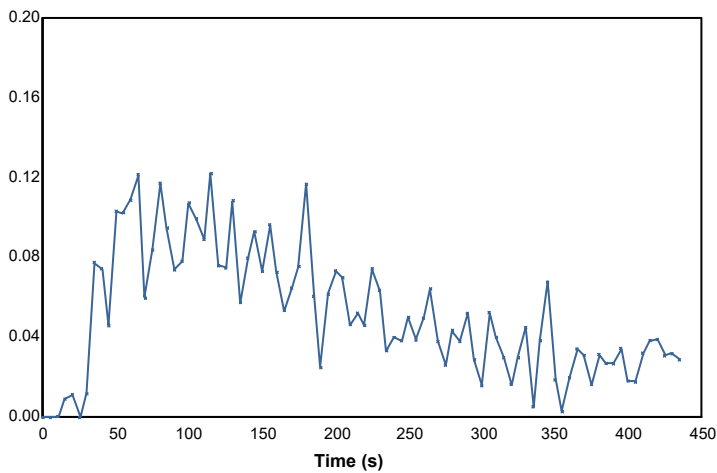
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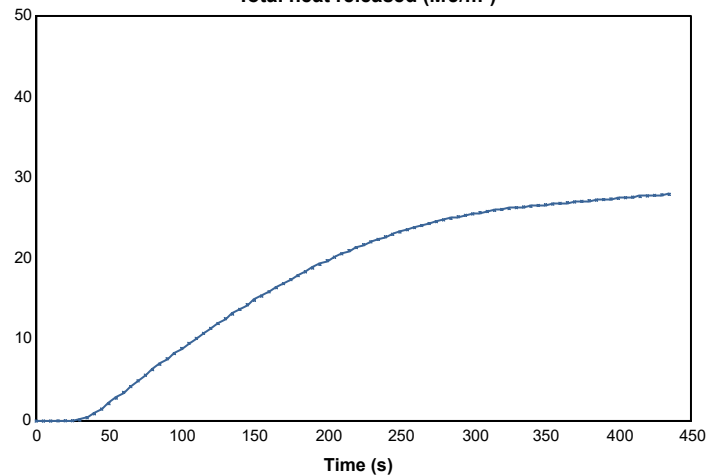
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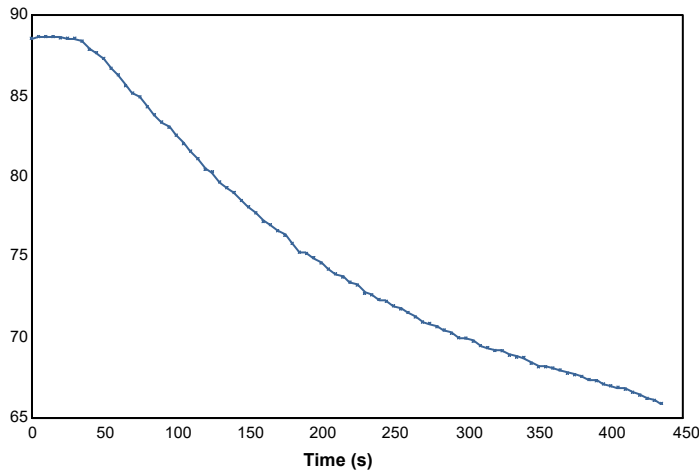
Mass loss rate (g/s)



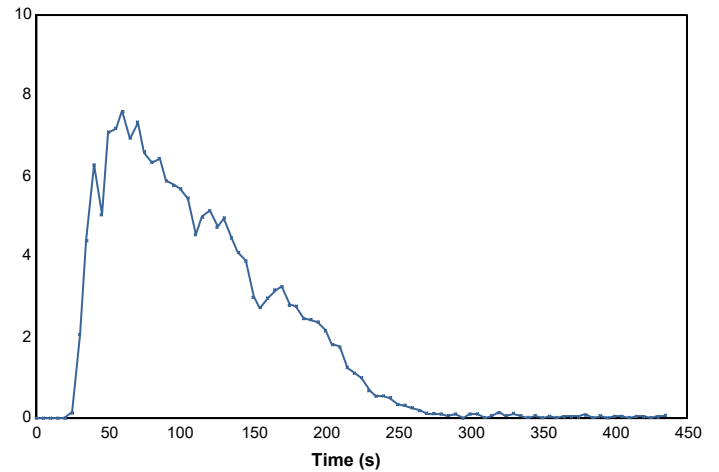
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s)/m²)



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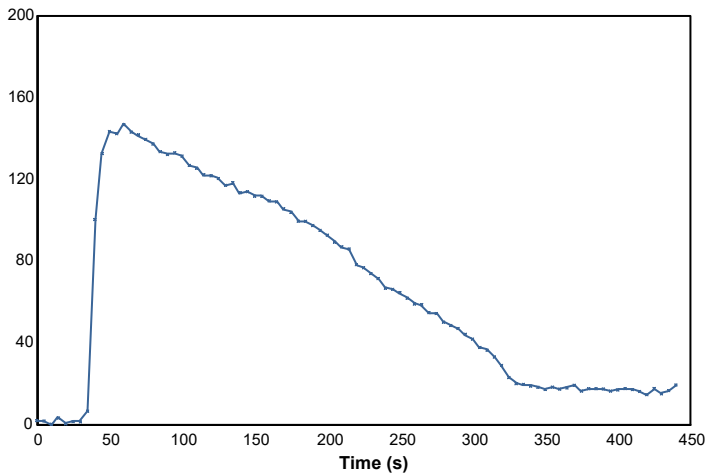
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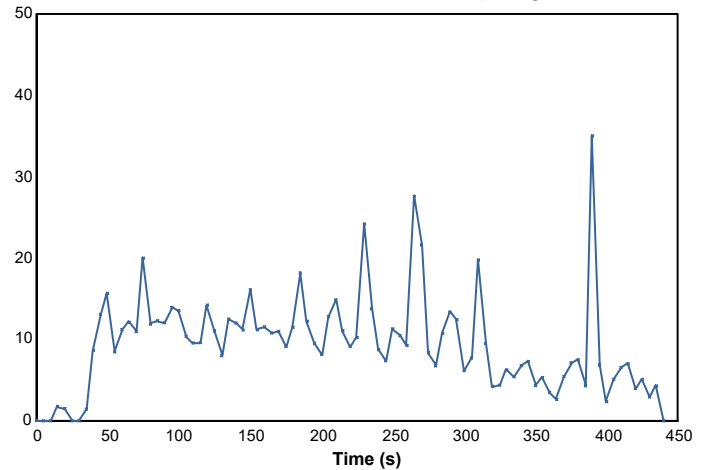
Test Number : 25-005468
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Specimen : 3

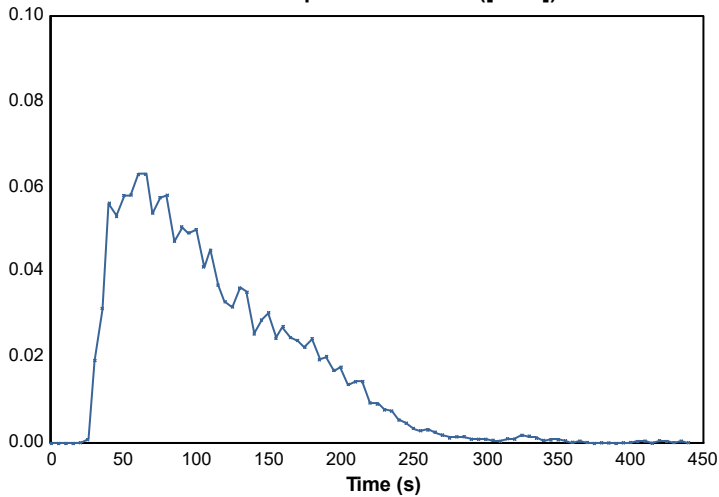
Heat release rate (kW/m²)



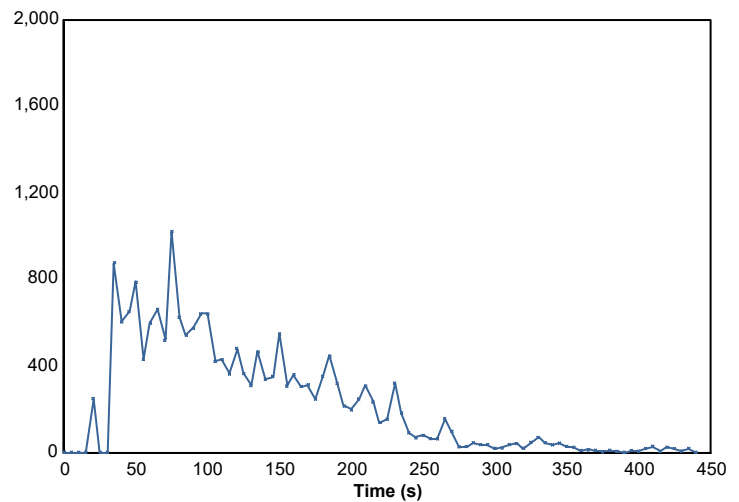
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



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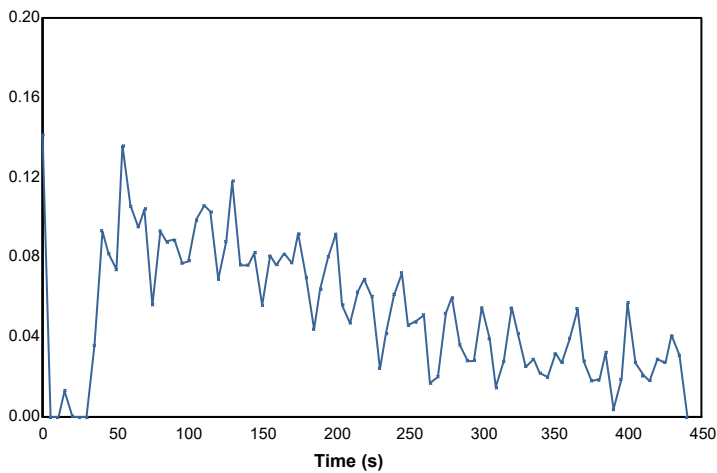
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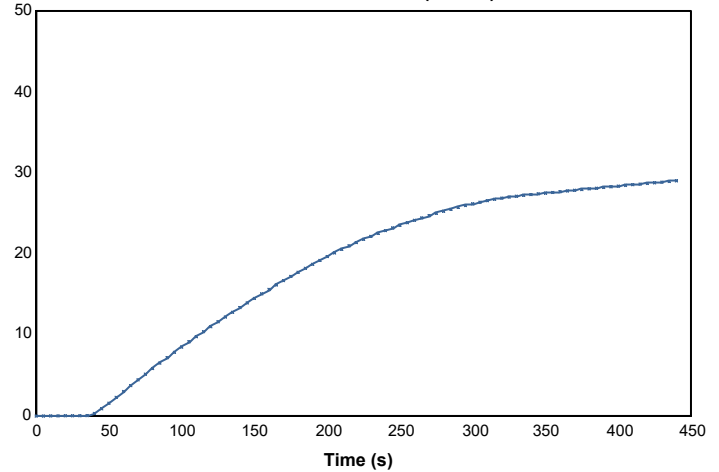
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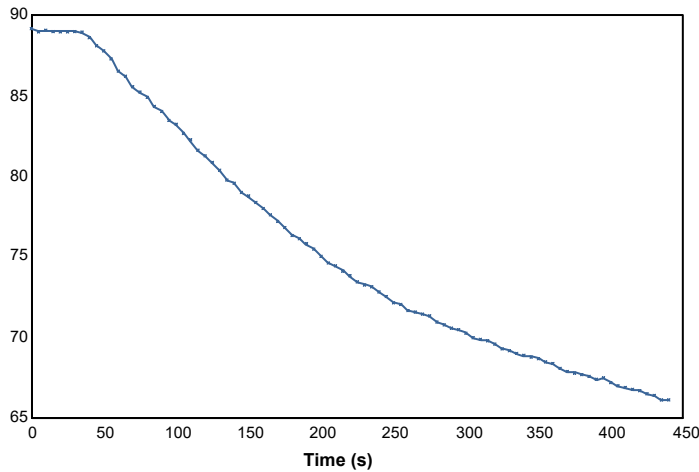
Mass loss rate (g/s)



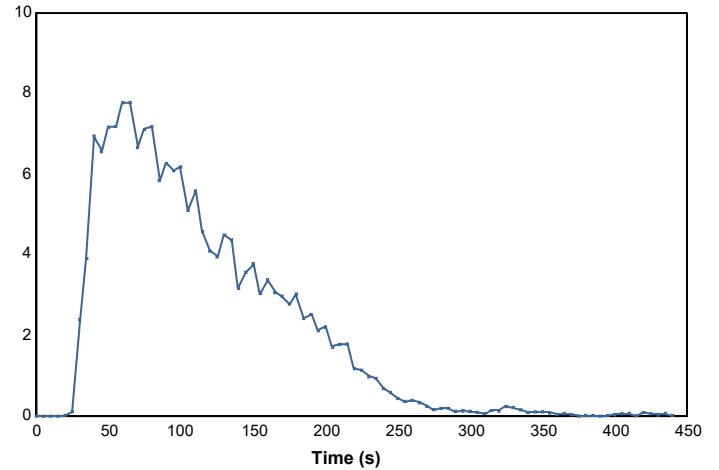
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s]/m²)



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