

# 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

## TEST REPORT

**Client :** Woven Image Pty Ltd  
37-39 Chard Road  
Brookvale NSW 2100

**Test Number :** 19-005899  
**Issue Date :** 21/11/2019  
**Print Date :** 22/11/2019

**Sample Description** Clients Ref : "Focus Quilted"  
Composite fabric assembly - fabric, foam, fabric  
A- Composite assembly  
End Use : Upholstery, wrapped Panels Operable Walls

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

Date Tested 19/11/2019  
Operator AWTA Test Operator 7  
Face Tested Face

	Specimen				
	1	2	3	Mean	
Average Heat Release Rate	41.4	43.2	37.0	40.5	kW/m <sup>2</sup>
Average Specific extinction area	68.9	81.0	82.5	77.5	m <sup>2</sup> /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 <sup>2</sup>
Exhaust flow rate	0.024	0.024	0.024	0.024	m <sup>3</sup> /s
Time to sustained flaming	8	7	9	8	sec
Test duration	495	471	459	475	sec
Peak heat release after ignition	204.2	200.1	197.9	200.7	kW/m <sup>2</sup>
Average heat at 60 s	117.0	123.7	116.4	119.0	kW/m <sup>2</sup>
Average heat at 180 s	73.0	74.9	68.1	72.0	kW/m <sup>2</sup>
Average heat at 300 s	59.1	59.0	48.8	55.7	kW/m <sup>2</sup>
Total heat released	20.1	20.1	16.6	18.9	MJ/m <sup>2</sup>
Average effective heat of combustion	9.9	9.9	8.2	9.3	MJ/kg

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APPROVED SIGNATORY

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

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**Test Number :** 19-005899  
**Issue Date :** 21/11/2019  
**Print Date :** 22/11/2019

Initial thickness	13	13	13	13.0	mm
Initial mass	91.5	91.7	86.7	90.0	g
Mass at sustained flaming	91.5	91.6	86.7	89.9	g
Mass remaining	75.0	75.3	70.1	73.5	g
Mass percentage pyrolysed	18.0	17.9	19.2	18.4	%
Mass loss	2.0	2.0	2.1	2.0	kg/m <sup>2</sup>
Average rate of mass loss	4.2	4.4	4.6	4.4	g/m <sup>2</sup> .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.

Samples were loose laid onto a substrate of 6mm thick cement sheeting prior to testing.

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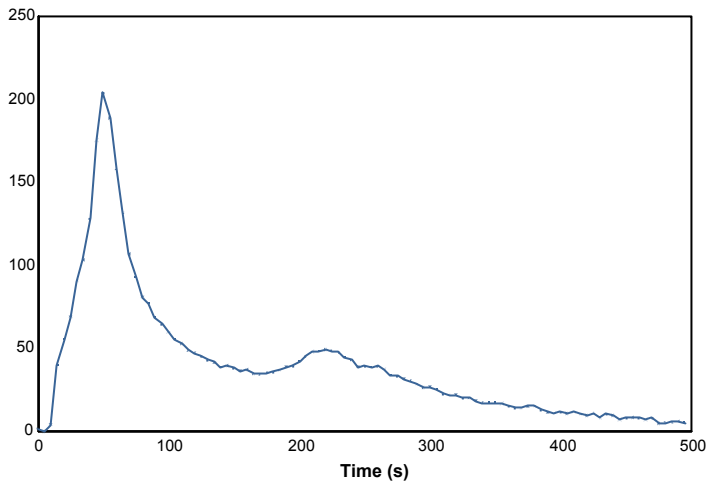
## TEST REPORT

**Client :** Woven Image Pty Ltd  
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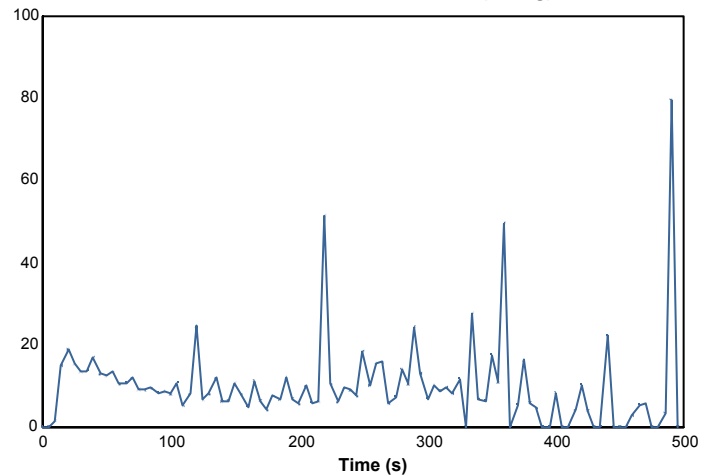
**Test Number :** 19-005899  
**Issue Date :** 21/11/2019  
**Print Date :** 22/11/2019

**Specimen :** 1

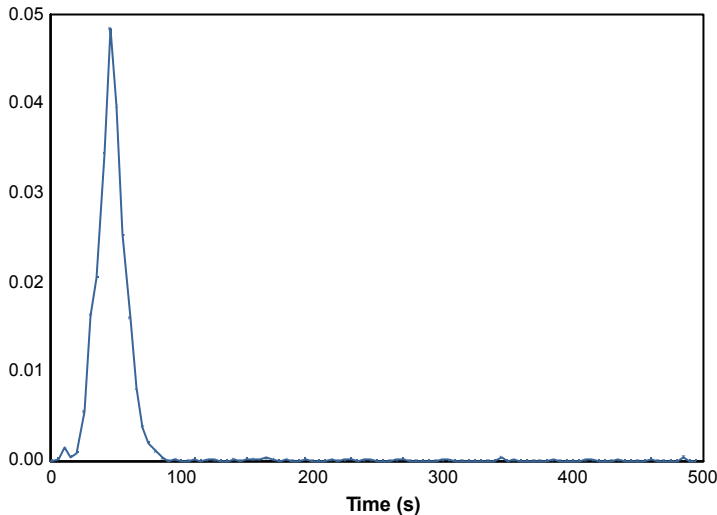
**Heat release rate (kW/m<sup>2</sup>)**



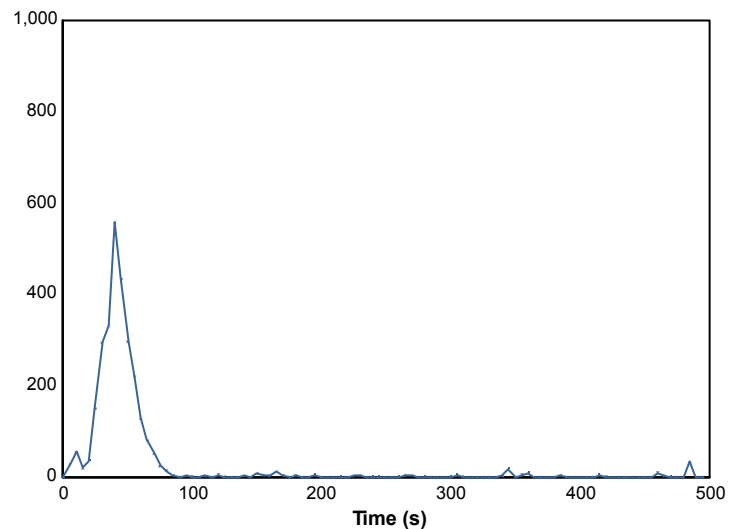
**Effective heat of combustion (MJ/kg)**



**Smoke production rate ([m<sup>2</sup>/s])**



**Specific extinction area (m<sup>2</sup>/kg)**



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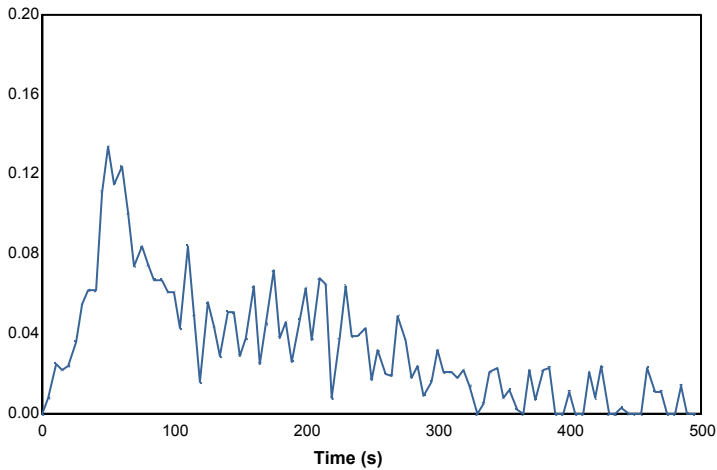
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## TEST REPORT

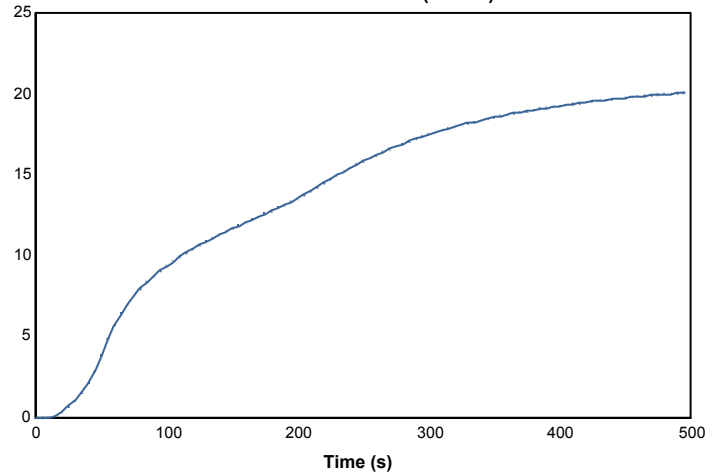
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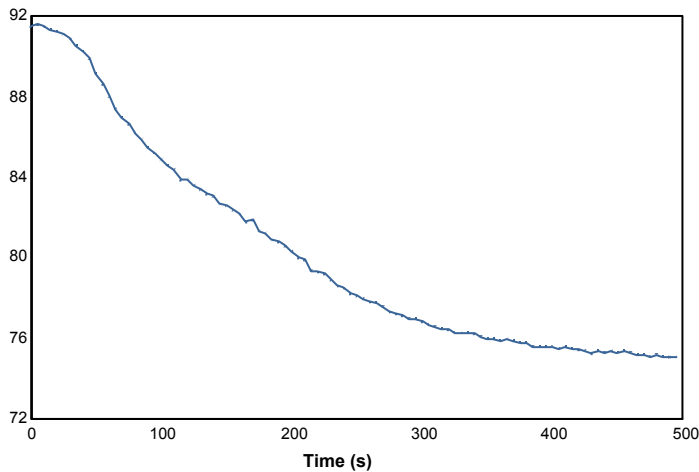
Mass loss rate (g/s)



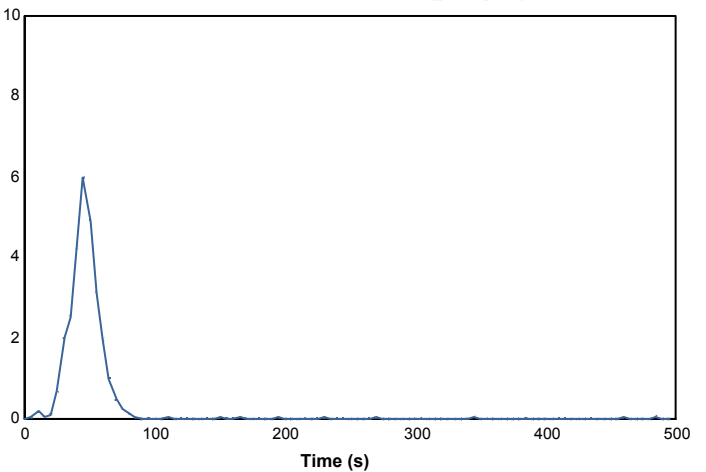
Total heat released (MJ/m<sup>2</sup>)



Mass (g)



Rate of smoke release ([m<sup>2</sup>/s)/m<sup>2</sup>)



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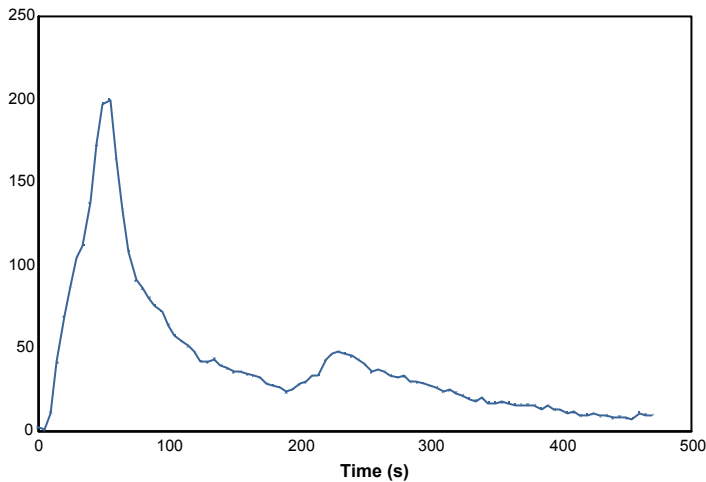
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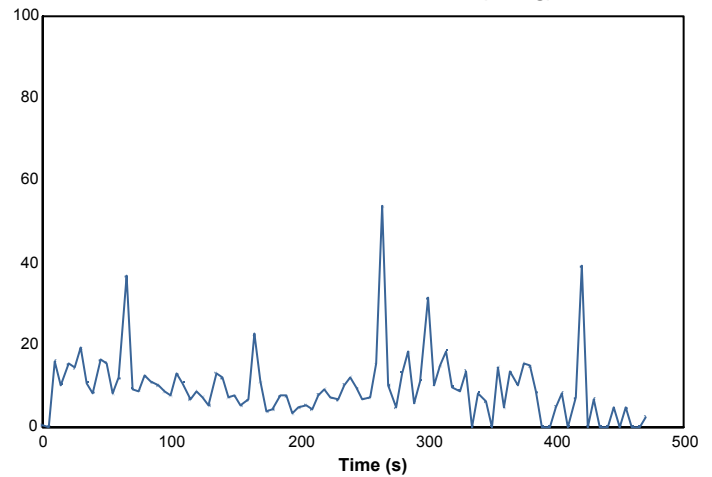
**Test Number :** 19-005899  
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**Specimen :** 2

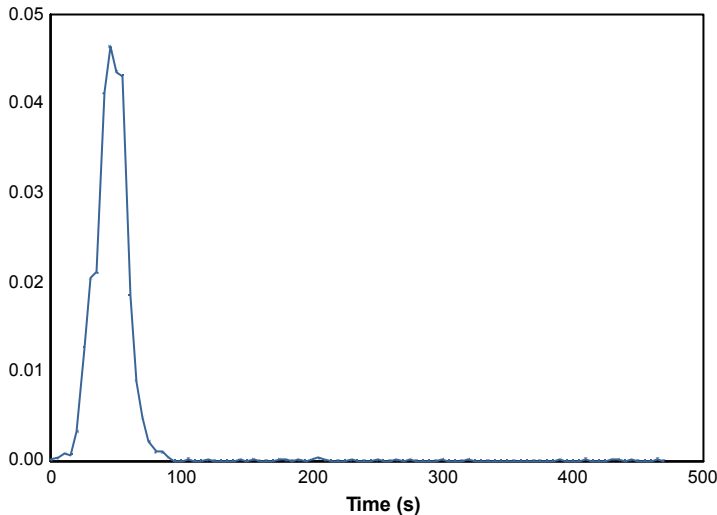
Heat release rate (kW/m<sup>2</sup>)



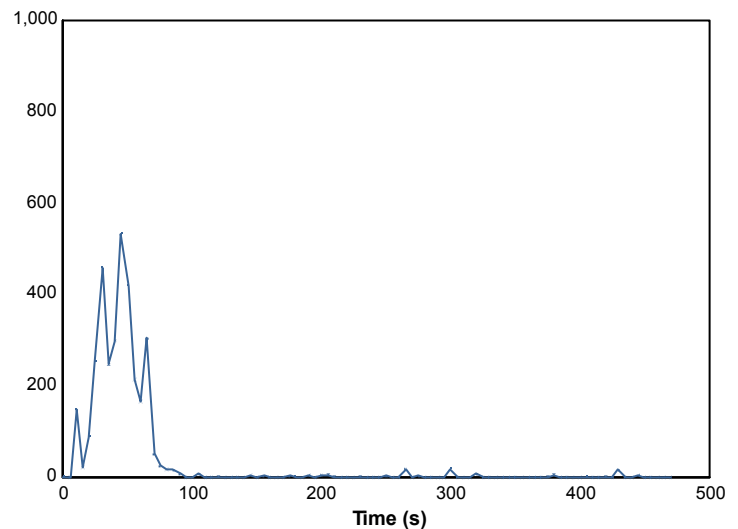
Effective heat of combustion (MJ/kg)



Smoke production rate ([m<sup>2</sup>/s])



Specific extinction area (m<sup>2</sup>/kg)



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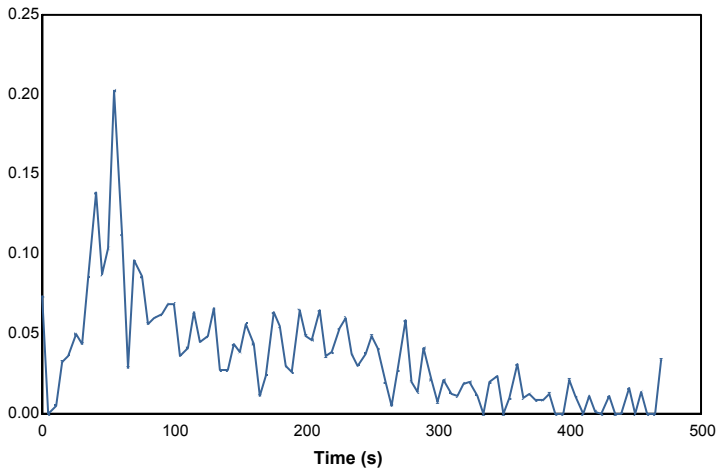
Phone (03) 9371 2400 Fax (03) 9371 2499

## TEST REPORT

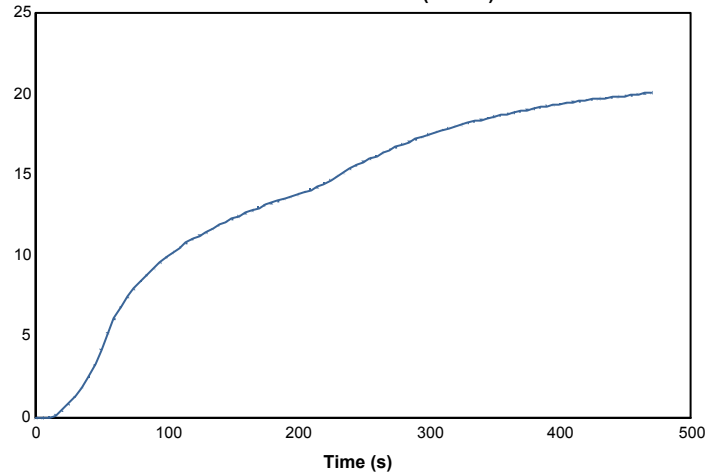
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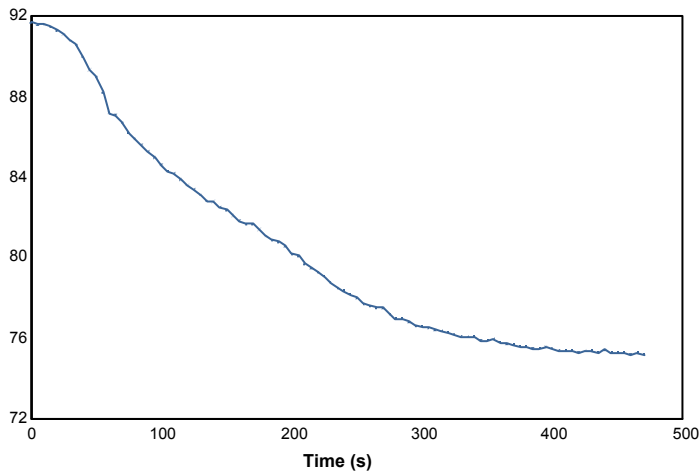
Mass loss rate (g/s)



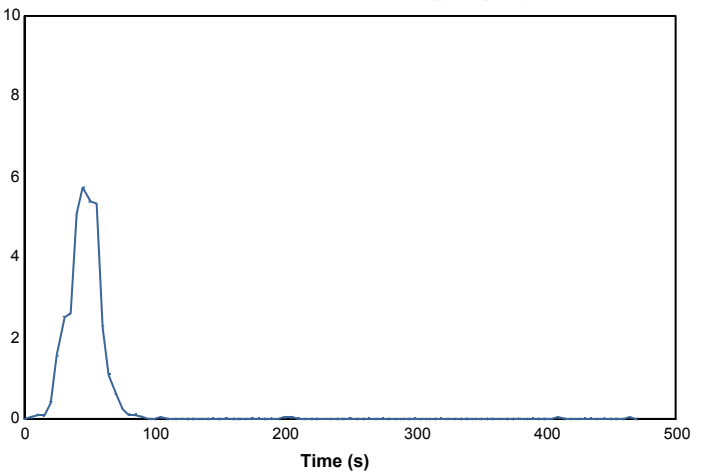
Total heat released (MJ/m<sup>2</sup>)



Mass (g)



Rate of smoke release ([m<sup>2</sup>/s]/m<sup>2</sup>)



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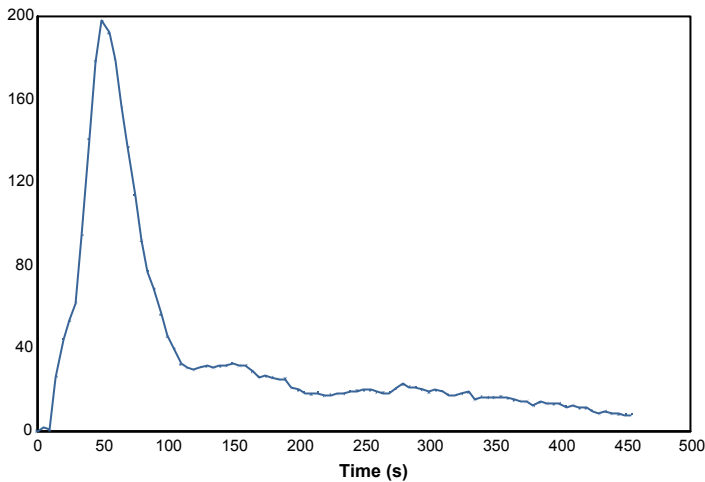
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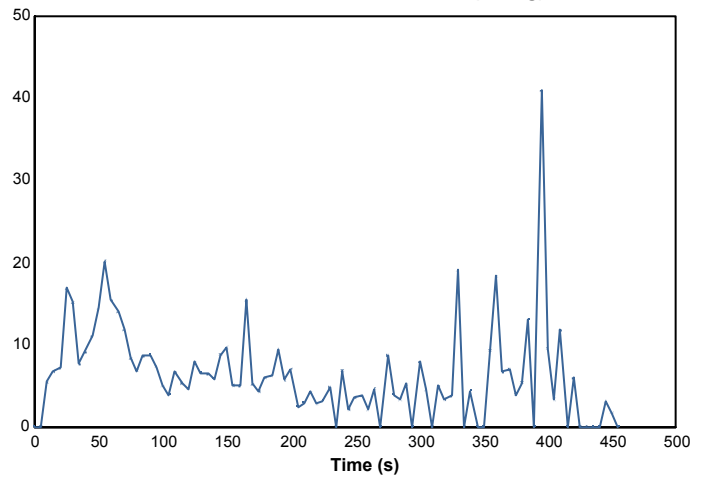
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**Specimen :** 3

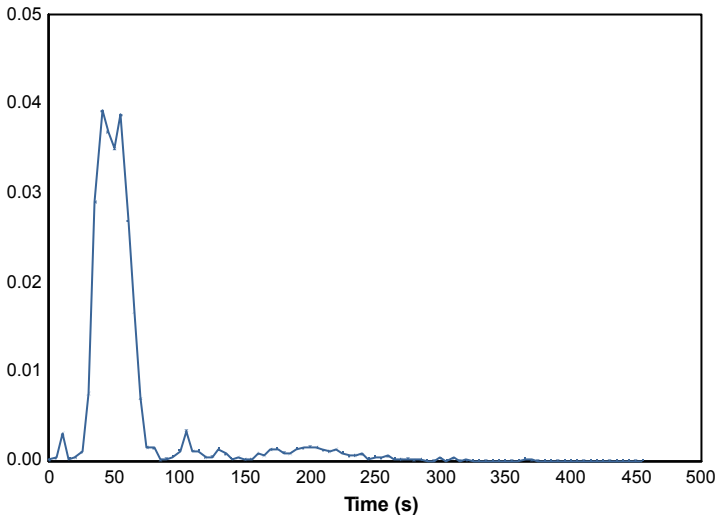
Heat release rate (kW/m<sup>2</sup>)



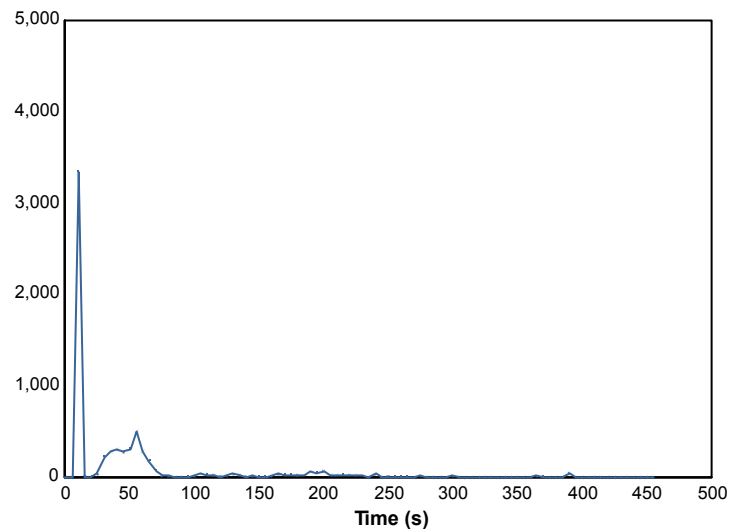
Effective heat of combustion (MJ/kg)



Smoke production rate ([m<sup>2</sup>/s])



Specific extinction area (m<sup>2</sup>/kg)



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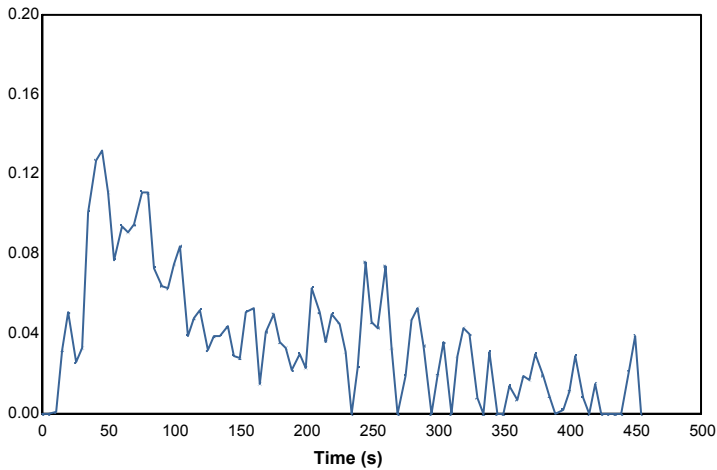
Phone (03) 9371 2400 Fax (03) 9371 2499

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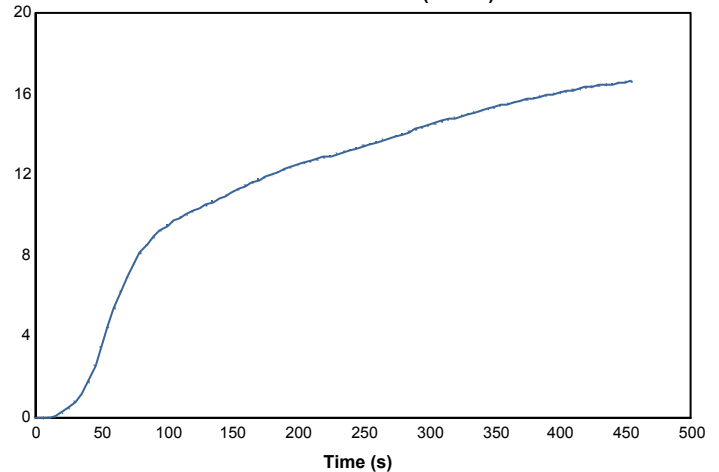
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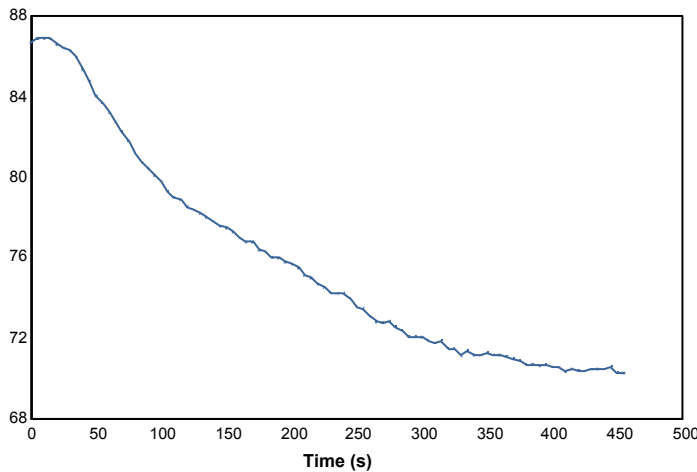
Mass loss rate (g/s)



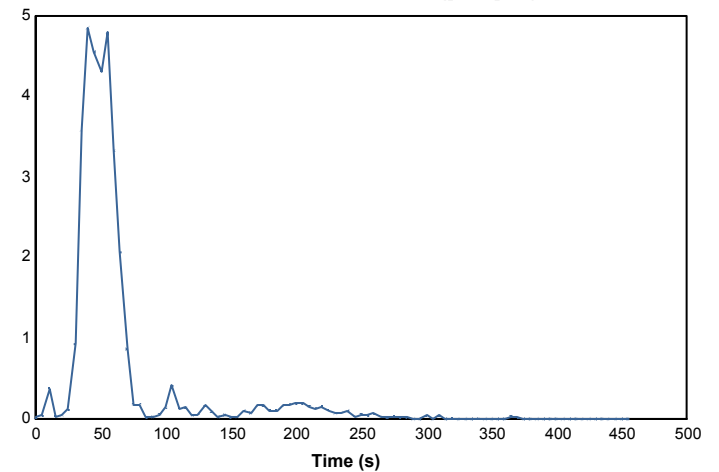
Total heat released (MJ/m<sup>2</sup>)



Mass (g)



Rate of smoke release ([m<sup>2</sup>/s)/m<sup>2</sup>)



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**Sample Description** Clients Ref : "Focus Quilted"  
Composite fabric assembly - fabric, foam, fabric  
B- Fabric  
End Use : Upholstery, wrapped Panels Operable Walls

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

Date Tested 21/12/2016  
Operator AWTA Test Operator 2  
Face Tested Face

	Specimen				
	1	2	3	Mean	
Average Heat Release Rate	39.3	39.0	37.1	38.5	kW/m <sup>2</sup>
Average Specific extinction area	84.4	71.7	81.1	79.1	m <sup>2</sup> /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 <sup>2</sup>
Exhaust flow rate	24	24	24	24.000	L/sec
Time to sustained flaming	66	55	68	63	sec
Test duration	311	320	340	324	sec
Peak heat release after ignition	129.6	98.8	123.8	117.4	kW/m <sup>2</sup>
Average heat at 60 s	85.0	71.8	90.6	82.5	kW/m <sup>2</sup>
Average heat at 180 s	47.9	50.2	48.7	48.9	kW/m <sup>2</sup>
Average heat at 300 s	39.6	39.3	37.4	38.8	kW/m <sup>2</sup>
Total heat released	9.6	10.3	10.1	10.0	MJ/m <sup>2</sup>
Average effective heat of combustion	6.4	6.6	6.4	6.4	MJ/kg

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Initial thickness	7.0	7.0	7.0	7.0	mm
Initial mass	86.6	88.1	89.3	88.0	g
Mass remaining	72.6	74.7	75.2	74.2	g
Mass percentage pyrolysed	16.2	15.2	15.8	15.7	%
Mass loss	-	-	-	-	kg/m <sup>2</sup>
Average rate of mass loss	6.2	5.9	5.8	6.0	g/m <sup>2</sup> .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.

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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Phone (03) 9371 2400 Fax (03) 9371 2499

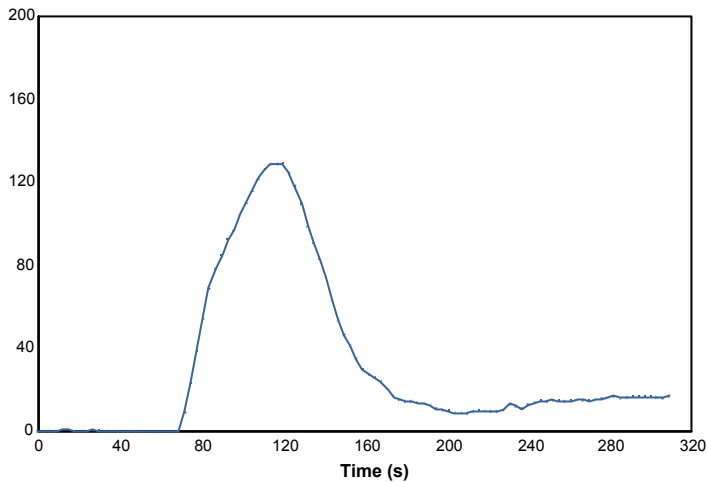
## TEST REPORT

**Client :** Woven Image Pty Ltd  
37-39 Chard Road  
Brookvale NSW 2100

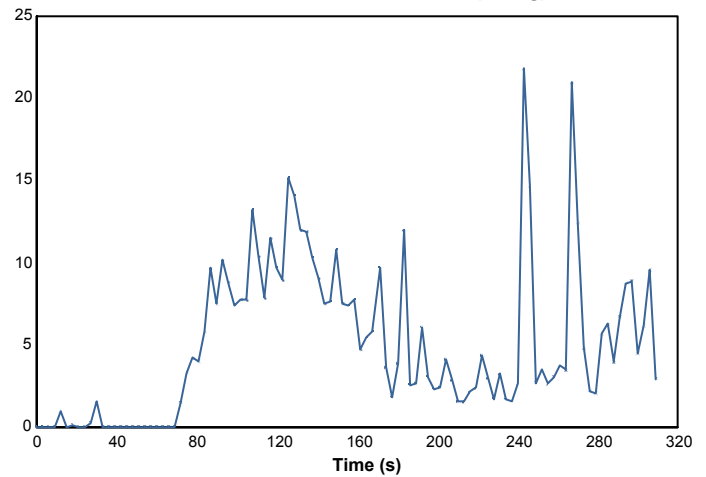
**Test Number :** 19-005899  
**Issue Date :** 21/11/2019  
**Print Date :** 22/11/2019

**Specimen :** 1

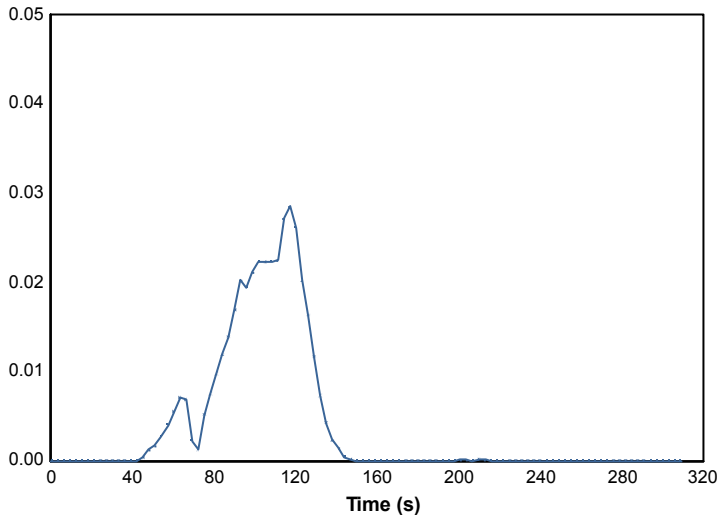
Heat release rate (kW/m<sup>2</sup>)



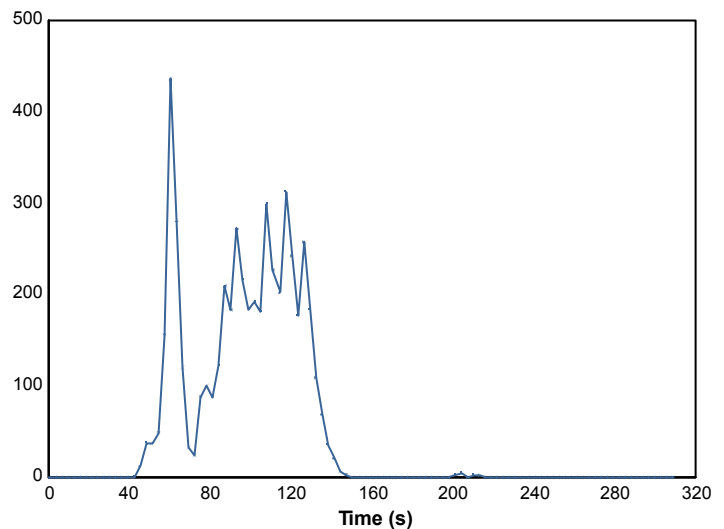
Effective heat of combustion (MJ/kg)



Smoke production rate ([m<sup>2</sup>/s])



Specific extinction area (m<sup>2</sup>/kg)



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

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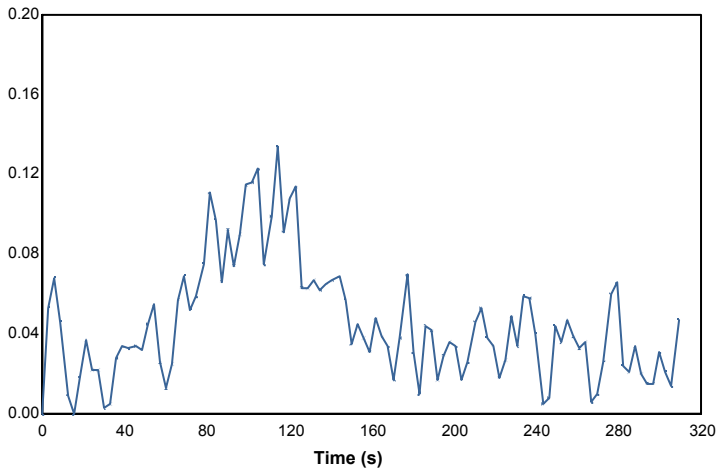
Phone (03) 9371 2400 Fax (03) 9371 2499

## TEST REPORT

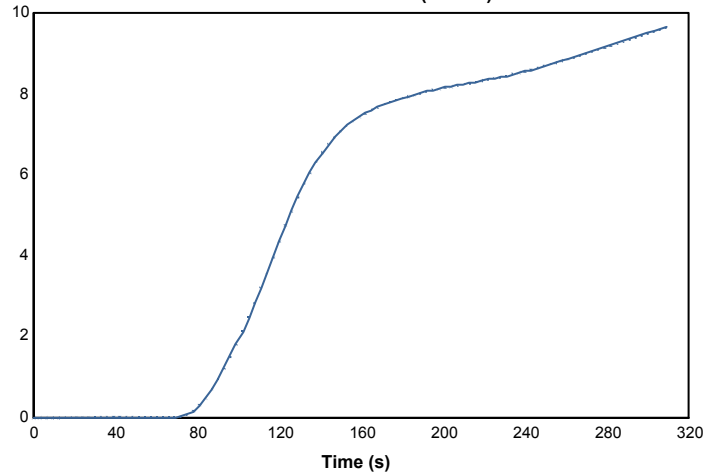
**Client :** Woven Image Pty Ltd  
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Brookvale NSW 2100

**Test Number :** 19-005899  
**Issue Date :** 21/11/2019  
**Print Date :** 22/11/2019

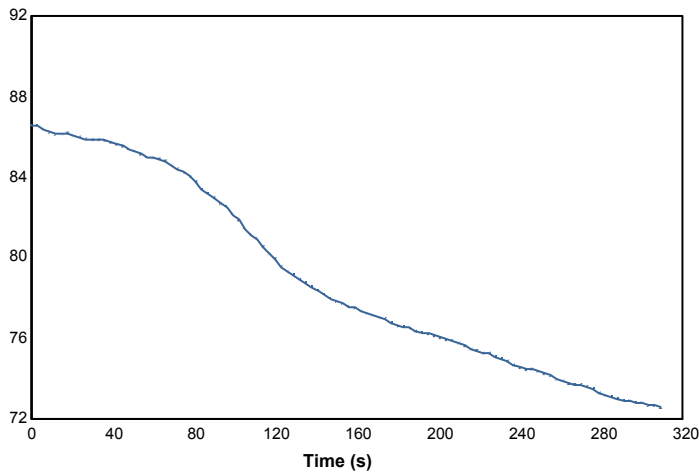
Mass loss rate (g/s)



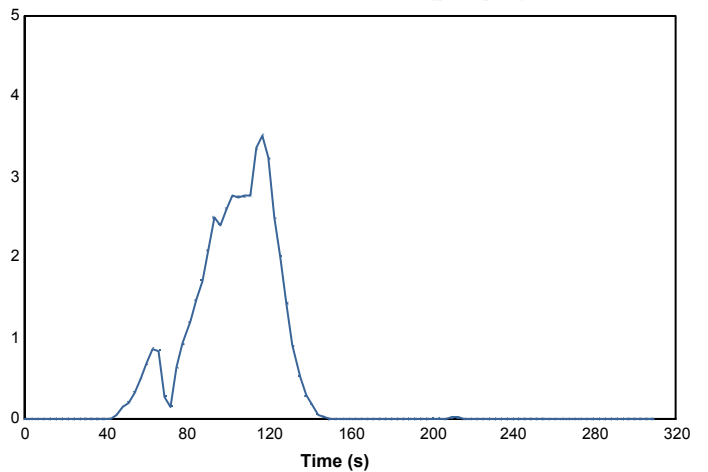
Total heat released (MJ/m<sup>2</sup>)



Mass (g)



Rate of smoke release ([m<sup>2</sup>/s)/m<sup>2</sup>)



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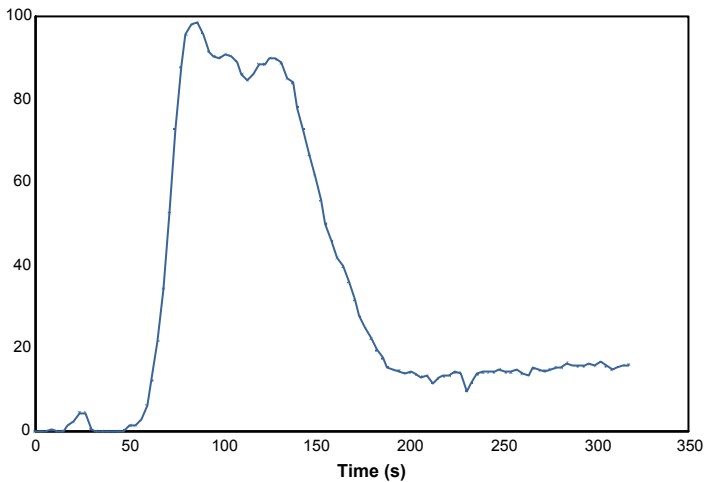
## TEST REPORT

**Client :** Woven Image Pty Ltd  
37-39 Chard Road  
Brookvale NSW 2100

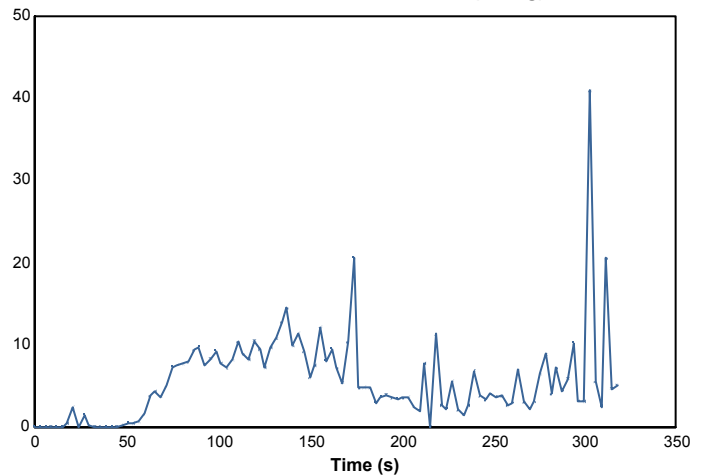
**Test Number :** 19-005899  
**Issue Date :** 21/11/2019  
**Print Date :** 22/11/2019

**Specimen :** 2

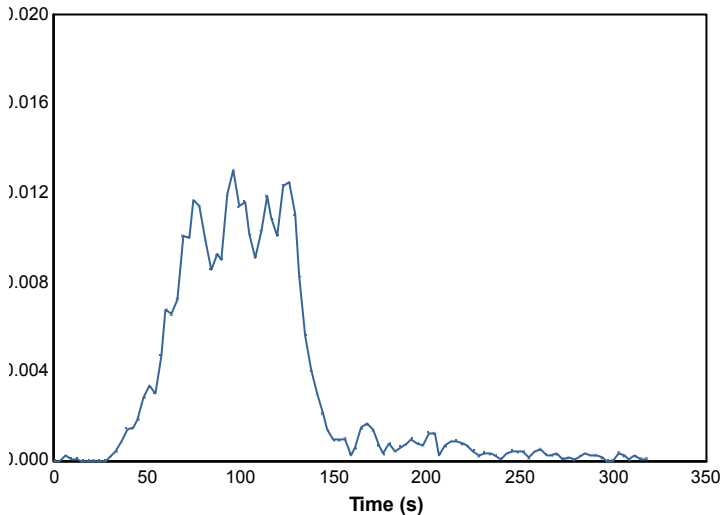
Heat release rate (kW/m<sup>2</sup>)



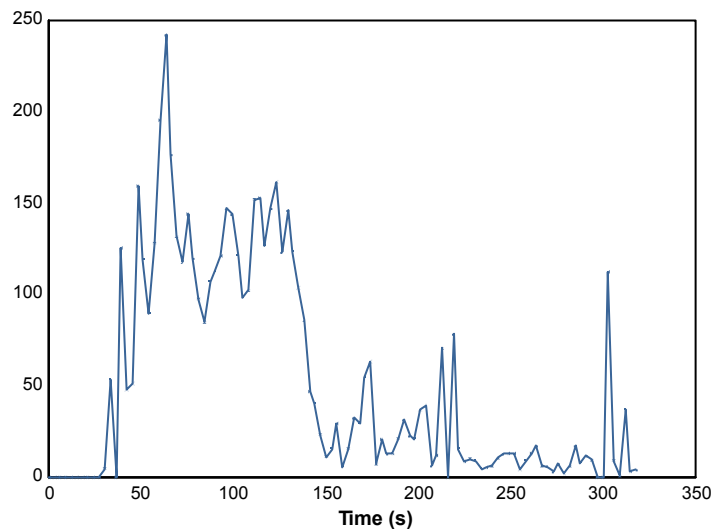
Effective heat of combustion (MJ/kg)



Smoke production rate ([m<sup>2</sup>/s])



Specific extinction area (m<sup>2</sup>/kg)



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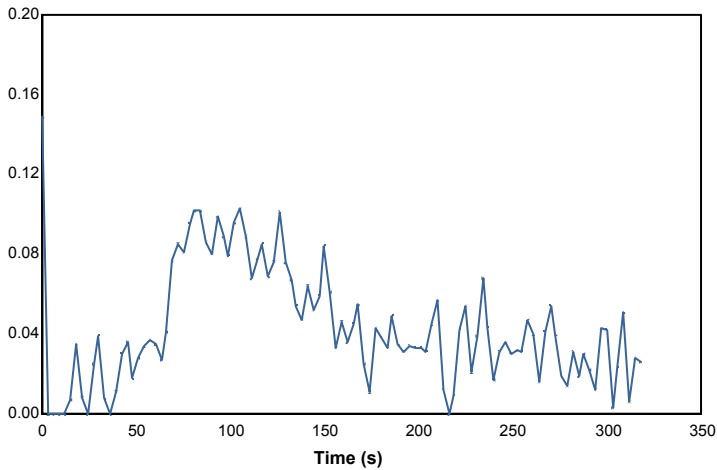
Phone (03) 9371 2400 Fax (03) 9371 2499

## TEST REPORT

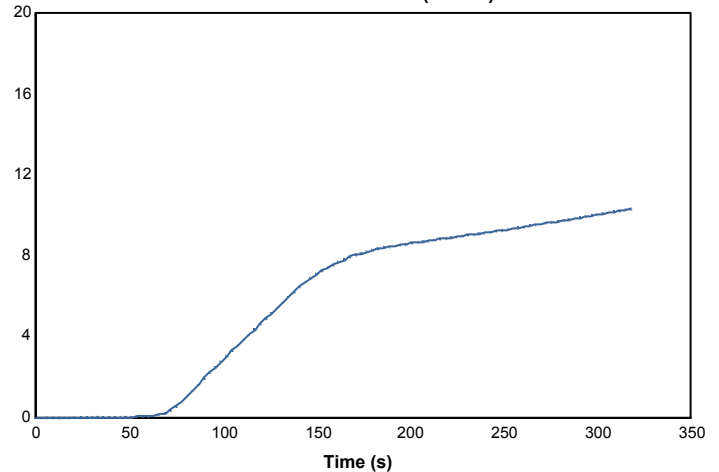
**Client :** Woven Image Pty Ltd  
37-39 Chard Road  
Brookvale NSW 2100

**Test Number :** 19-005899  
**Issue Date :** 21/11/2019  
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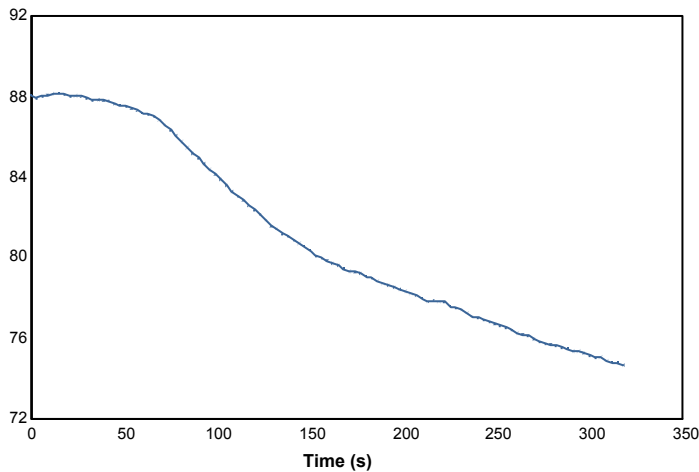
Mass loss rate (g/s)



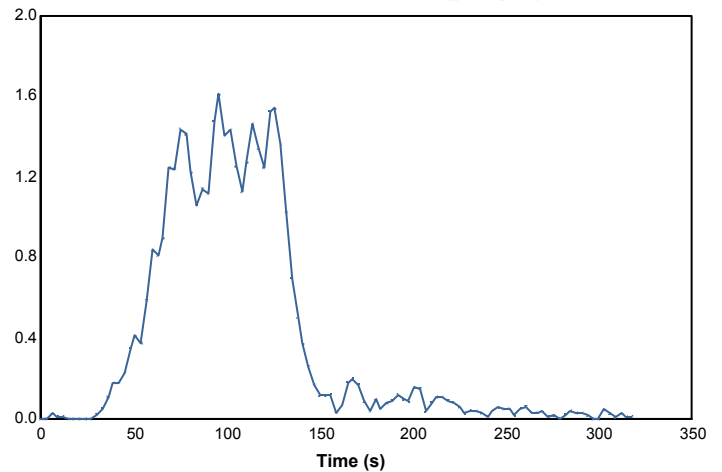
Total heat released (MJ/m<sup>2</sup>)



Mass (g)



Rate of smoke release ([m<sup>2</sup>/s)/m<sup>2</sup>)



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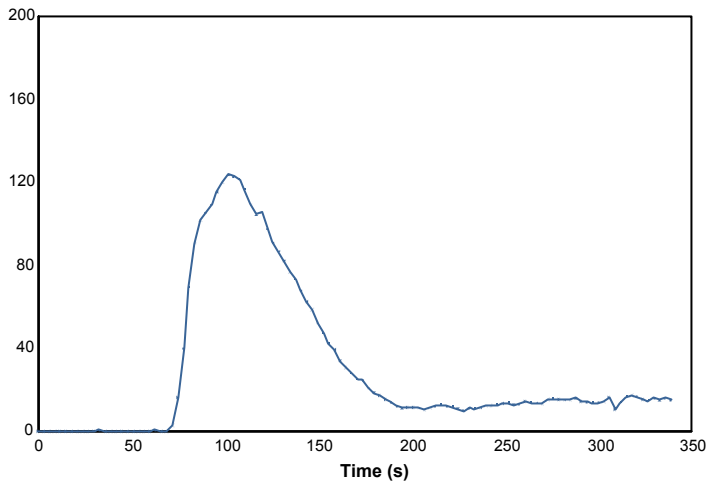
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**Client :** Woven Image Pty Ltd  
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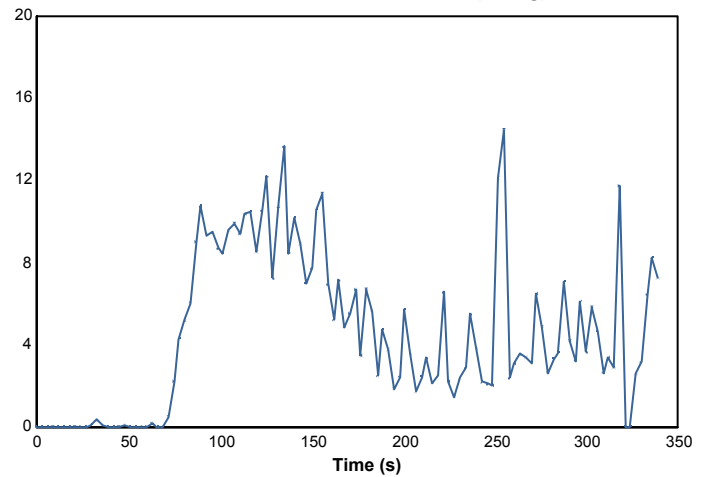
**Test Number :** 19-005899  
**Issue Date :** 21/11/2019  
**Print Date :** 22/11/2019

**Specimen :** 3

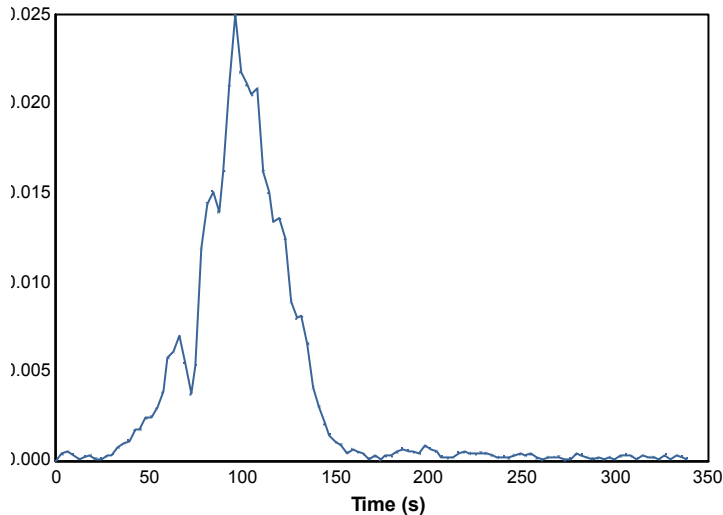
Heat release rate (kW/m<sup>2</sup>)



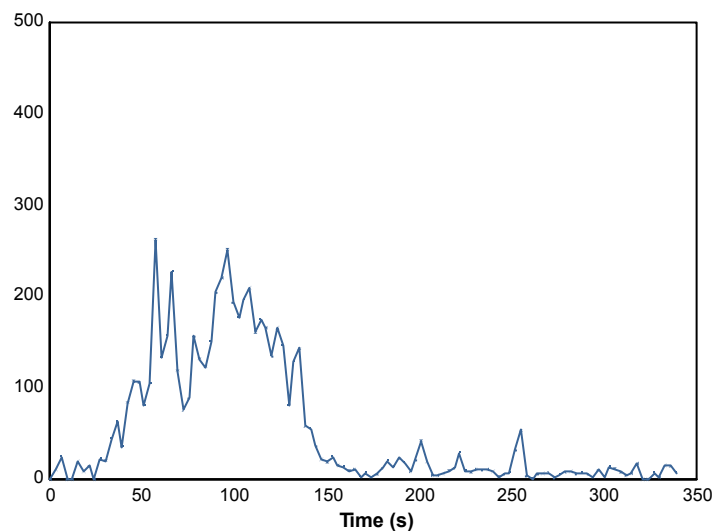
Effective heat of combustion (MJ/kg)



Smoke production rate ([m<sup>2</sup>/s])



Specific extinction area (m<sup>2</sup>/kg)



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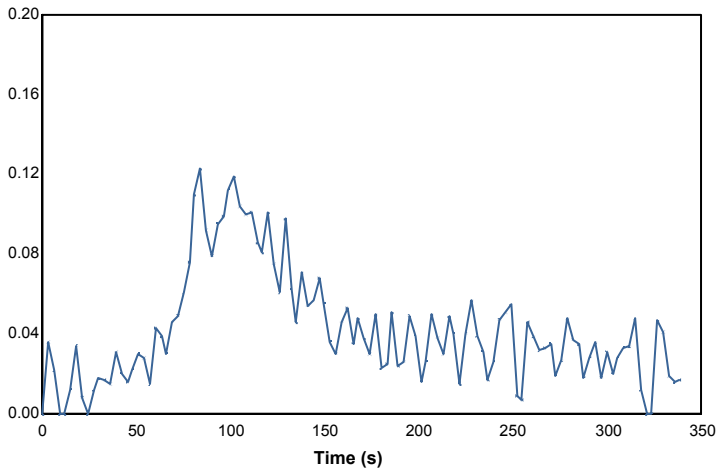
Phone (03) 9371 2400 Fax (03) 9371 2499

## TEST REPORT

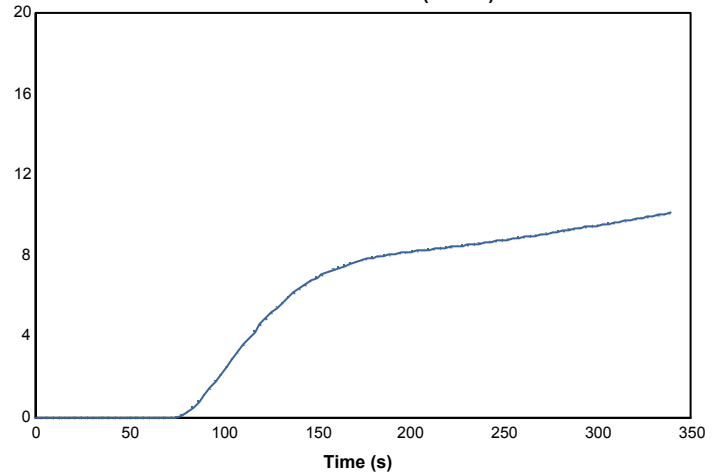
**Client :** Woven Image Pty Ltd  
37-39 Chard Road  
Brookvale NSW 2100

**Test Number :** 19-005899  
**Issue Date :** 21/11/2019  
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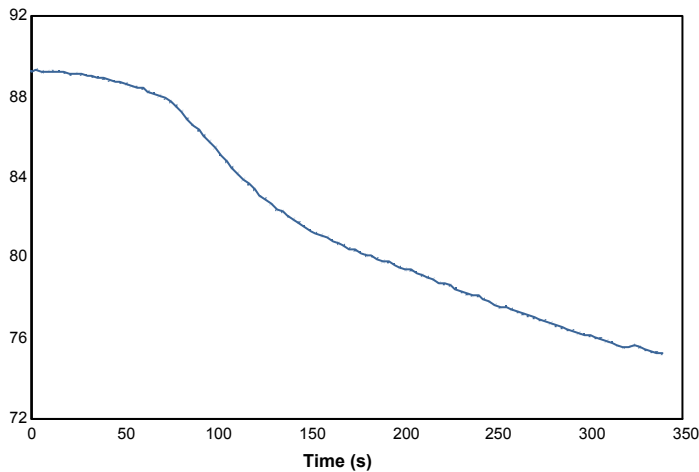
Mass loss rate (g/s)



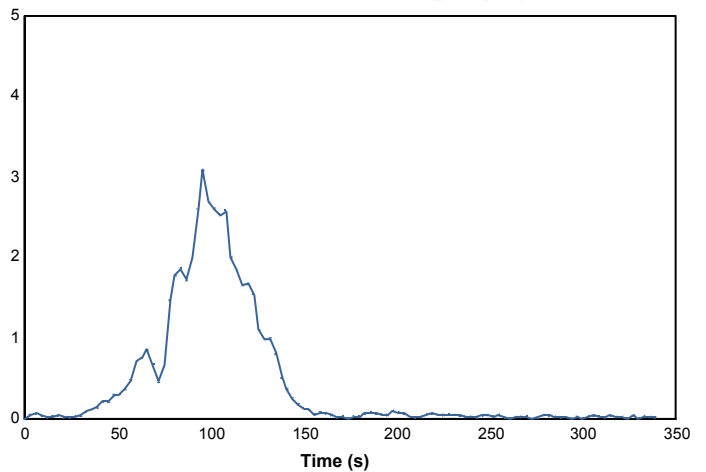
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s)/m²)



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## TEST REPORT

**Client :** Woven Image Pty Ltd  
37-39 Chard Road  
Brookvale NSW 2100

**Test Number :** 19-005899  
**Issue Date :** 21/11/2019  
**Print Date :** 22/11/2019

**Sample Description** Clients Ref : "Focus Quilted"  
Composite fabric assembly - fabric, foam, fabric  
C- Foam  
End Use : Upholstery, wrapped Panels Operable Walls

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

Date Tested 21/11/2019  
Operator AWTA Test Operator 7  
Face Tested Face

	Specimen						Mean	
	1	2	3	4	5	6		
Average Heat Release Rate	1.4	7.1	13.2	5.8	4.9	10.0	7.1	kW/m <sup>2</sup>
Average Specific extinction area	79.3	58.3	82.5	48.1	57.5	22.8	58.1	m <sup>2</sup> /kg

(according to Specification C1.10 of the Building Code of Australia)

Test orientation : Horizontal

	Specimen						Mean	
	1	2	3	4	5	6		
Irradiance	50	50	50	50	50	50	50	kW/m <sup>2</sup>
Exhaust flow rate	0.024	0.024	0.024	0.024	0.024	0.024	0.024	m <sup>3</sup> /s
Time to sustained flaming	3	3	3	4	3	3	3	sec
Test duration	600	600	600	600	600	600	600	sec
Peak heat release after ignition	25.4	25.7	28.2	27.0	25.4	25.7	26.2	kW/m <sup>2</sup>
Average heat at 60 s	4.5	3.3	5.9	7.4	2.5	5.6	4.8	kW/m <sup>2</sup>
Average heat at 180 s	0.7	1.2	7.8	5.5	1.6	5.3	3.7	kW/m <sup>2</sup>
Average heat at 300 s	1.3	4.5	12.2	6.3	4.3	7.9	6.1	kW/m <sup>2</sup>
Total heat released	1.4	4.4	7.9	3.5	3.0	6.0	4.4	MJ/m <sup>2</sup>
Ave. effective heat of combustion	0.6	2.1	5.4	1.8	1.6	3.5	2.5	MJ/kg

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Brookvale NSW 2100

**Test Number :** 19-005899  
**Issue Date :** 21/11/2019  
**Print Date :** 22/11/2019

Initial thickness	11	11	11	11	11	11	11.0	mm
Initial mass	88.7	97.6	87.6	95.5	92.6	87.2	91.5	g
Mass at sustained flaming	88.7	97.6	87.6	95.5	92.6	87.2	91.5	g
Mass remaining	76.4	81.4	75.9	80.2	78.1	73.4	77.6	g
Mass percentage pyrolysed	13.9	16.6	13.4	16.0	15.6	15.9	15.2	%
Mass loss	1.5	2.0	1.4	1.9	1.8	1.7	1.7	kg/m <sup>2</sup>
Average rate of mass loss	2.5	3.4	2.5	3.2	3.0	2.9	2.9	g/m <sup>2</sup> .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.

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.

Foam tested.

Observation:

Unsustained ignition observed, ignitor left in place for the full test.

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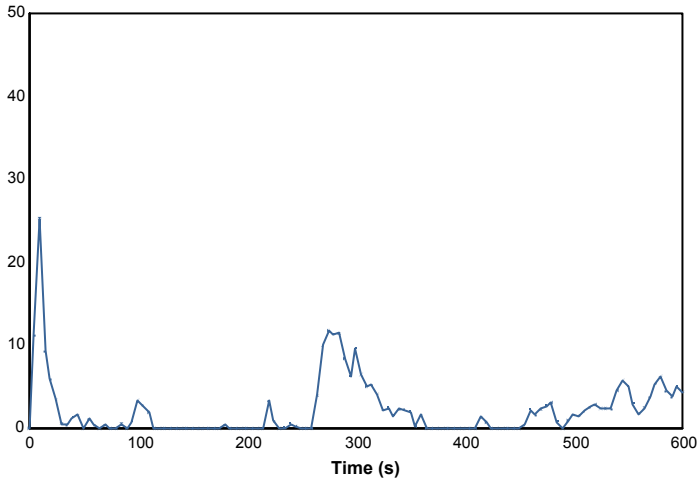
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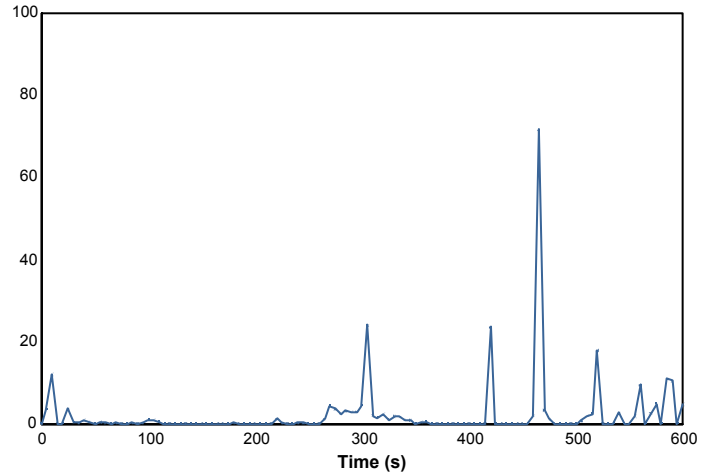
**Test Number :** 19-005899  
**Issue Date :** 21/11/2019  
**Print Date :** 22/11/2019

**Specimen :** 1

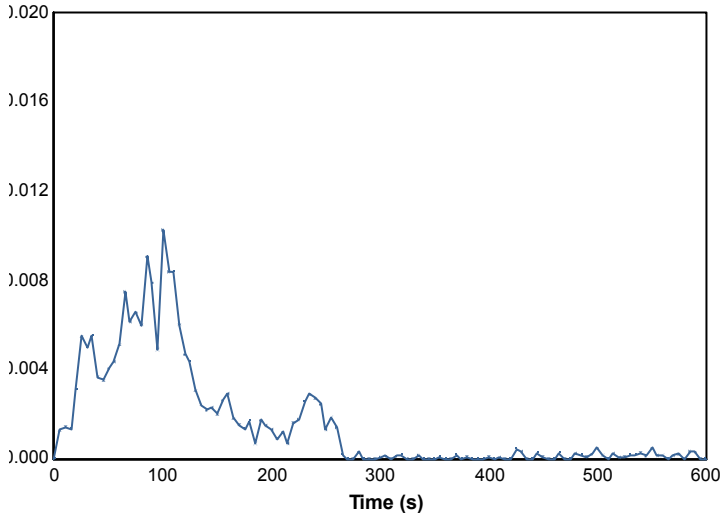
Heat release rate (kW/m<sup>2</sup>)



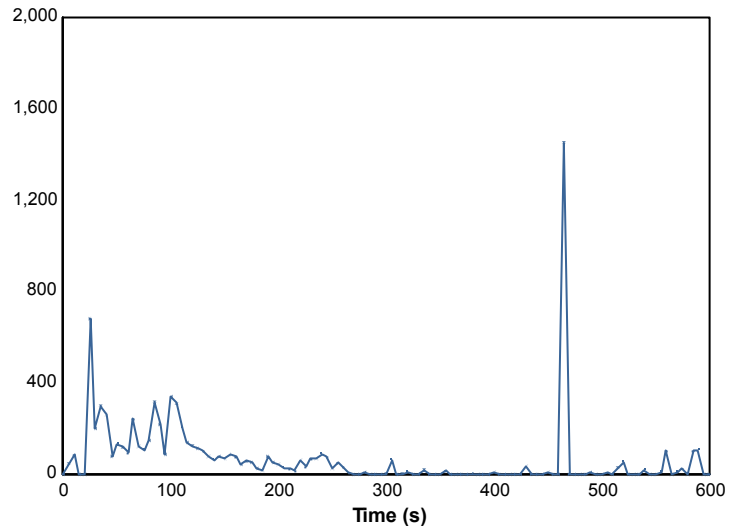
Effective heat of combustion (MJ/kg)



Smoke production rate ([m<sup>2</sup>/s])



Specific extinction area (m<sup>2</sup>/kg)



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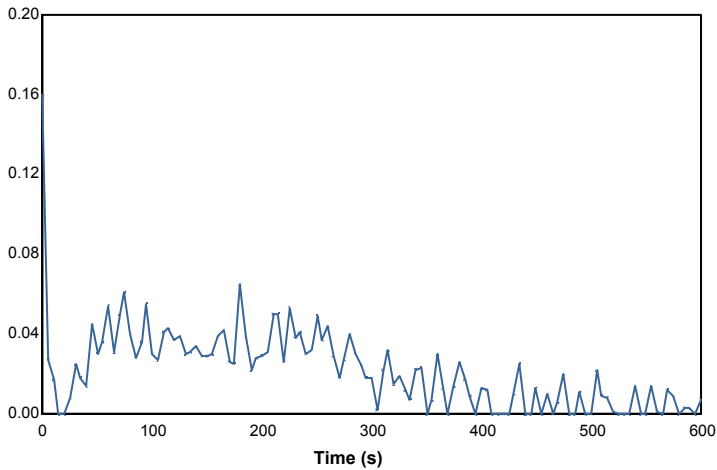
Phone (03) 9371 2400 Fax (03) 9371 2499

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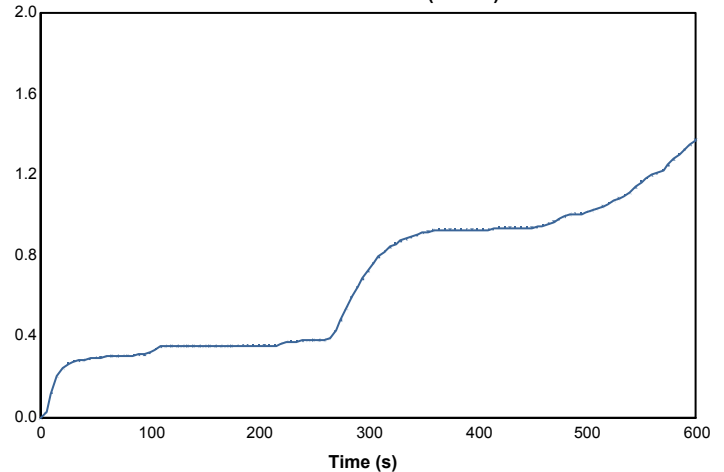
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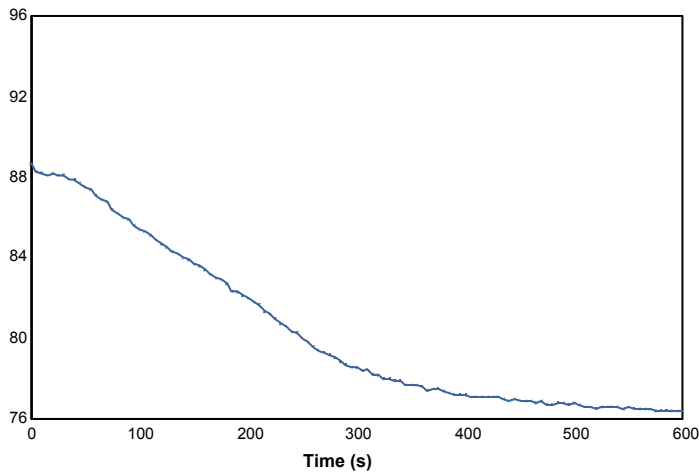
Mass loss rate (g/s)



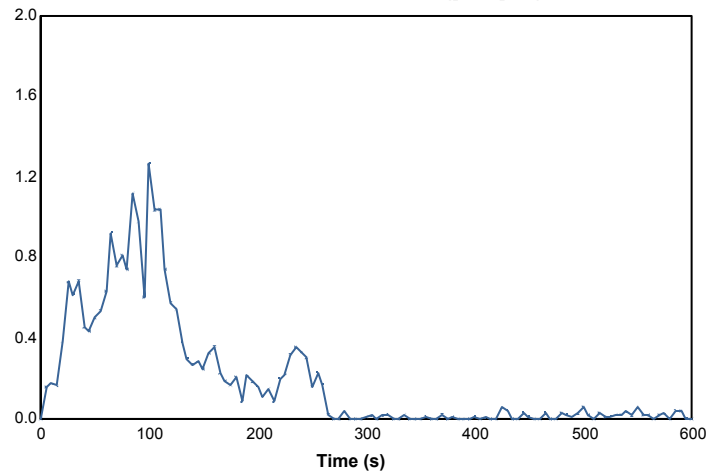
Total heat released (MJ/m<sup>2</sup>)



Mass (g)



Rate of smoke release ([m<sup>2</sup>/s]/m<sup>2</sup>)



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APPROVED SIGNATORY

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

# 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

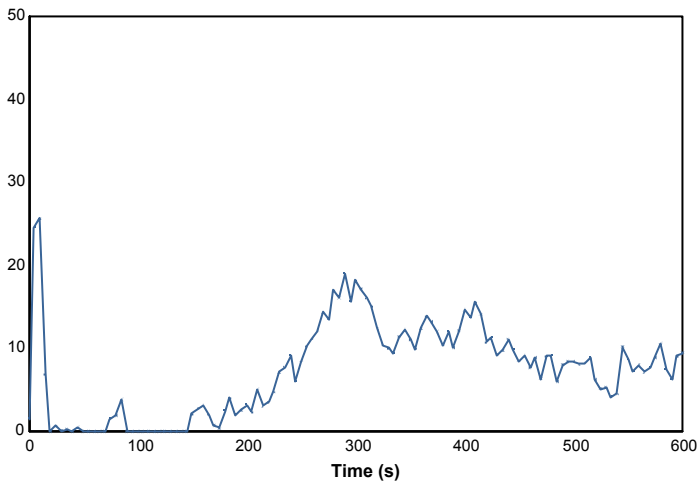
## TEST REPORT

**Client :** Woven Image Pty Ltd  
37-39 Chard Road  
Brookvale NSW 2100

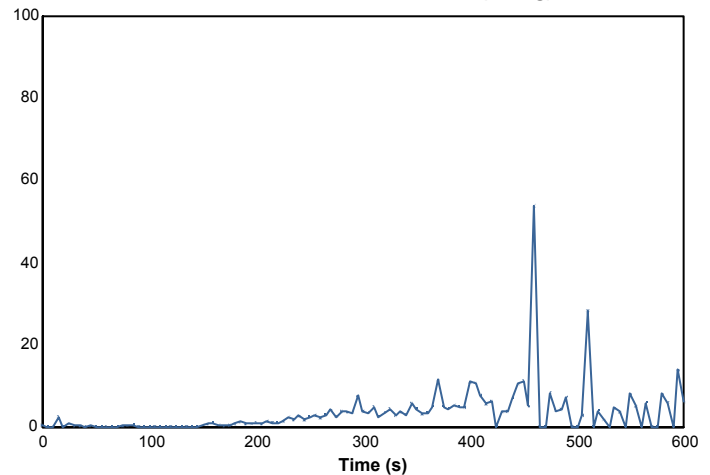
**Test Number :** 19-005899  
**Issue Date :** 21/11/2019  
**Print Date :** 22/11/2019

**Specimen :** 2

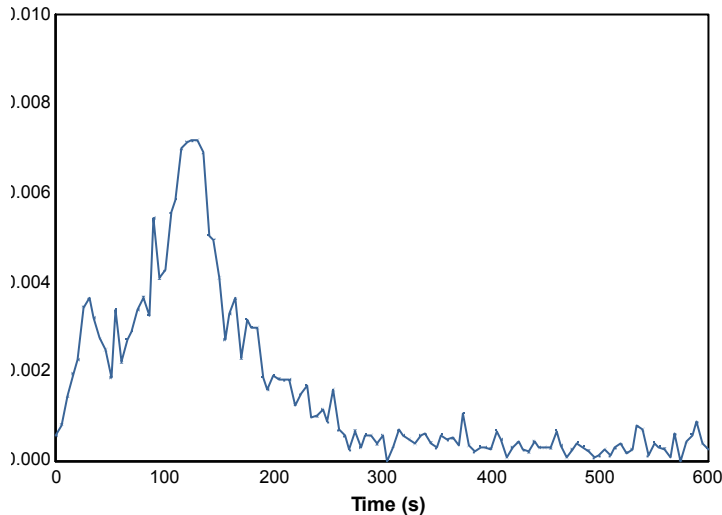
Heat release rate (kW/m<sup>2</sup>)



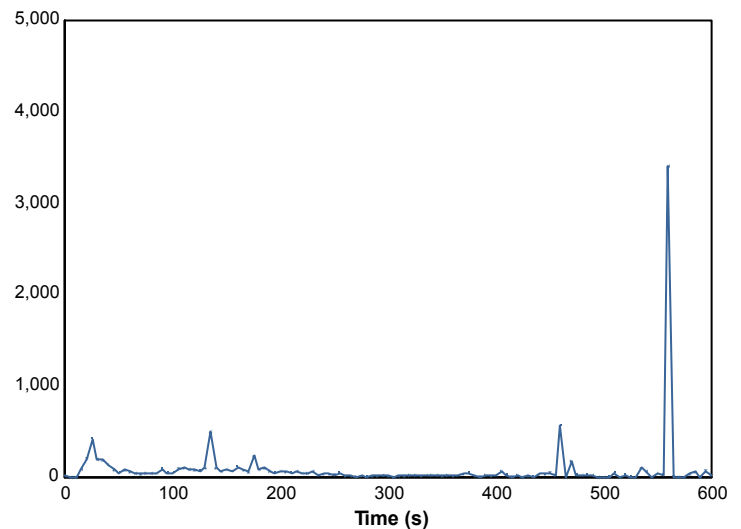
Effective heat of combustion (MJ/kg)



Smoke production rate ([m<sup>2</sup>/s])



Specific extinction area (m<sup>2</sup>/kg)



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P.O Box 240, North Melbourne, Victoria 3051

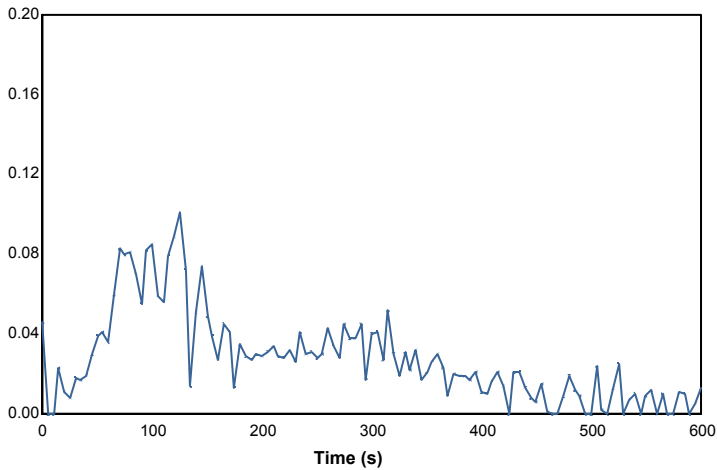
Phone (03) 9371 2400 Fax (03) 9371 2499

## TEST REPORT

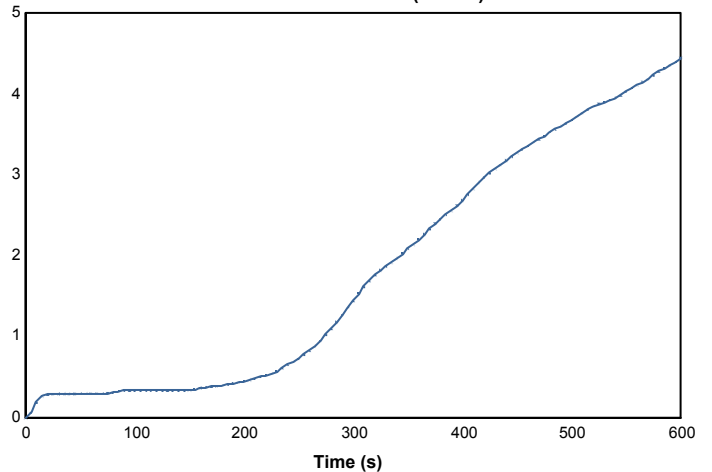
**Client :** Woven Image Pty Ltd  
37-39 Chard Road  
Brookvale NSW 2100

**Test Number :** 19-005899  
**Issue Date :** 21/11/2019  
**Print Date :** 22/11/2019

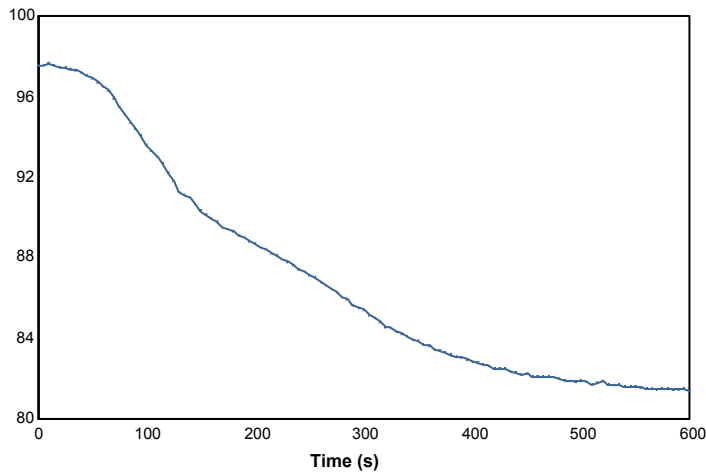
Mass loss rate (g/s)



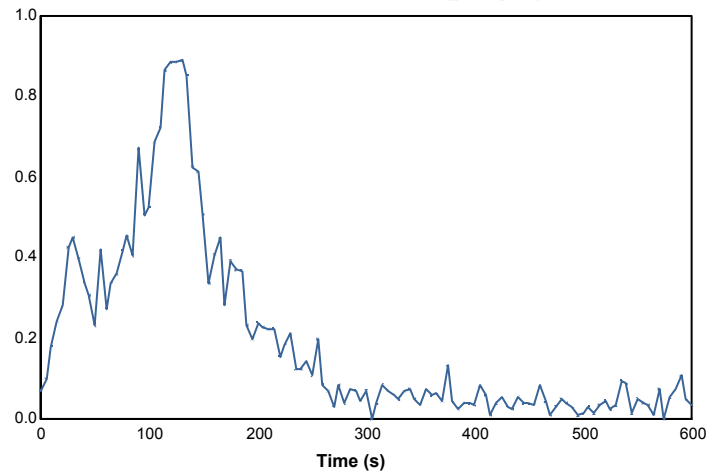
Total heat released (MJ/m<sup>2</sup>)



Mass (g)



Rate of smoke release ([m<sup>2</sup>/s)/m<sup>2</sup>)



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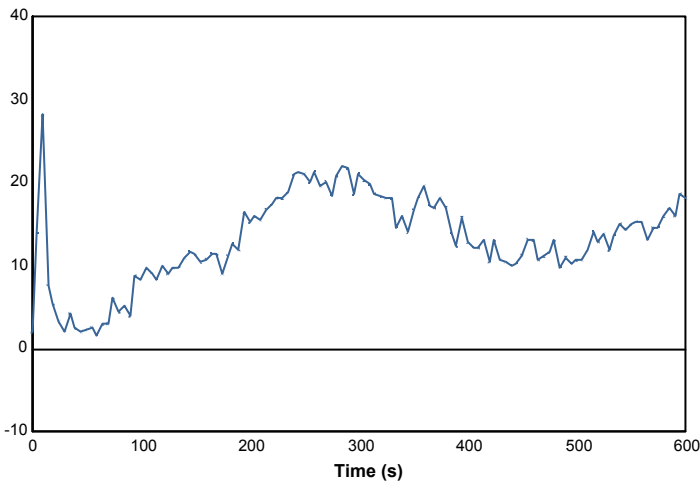
## TEST REPORT

**Client :** Woven Image Pty Ltd  
37-39 Chard Road  
Brookvale NSW 2100

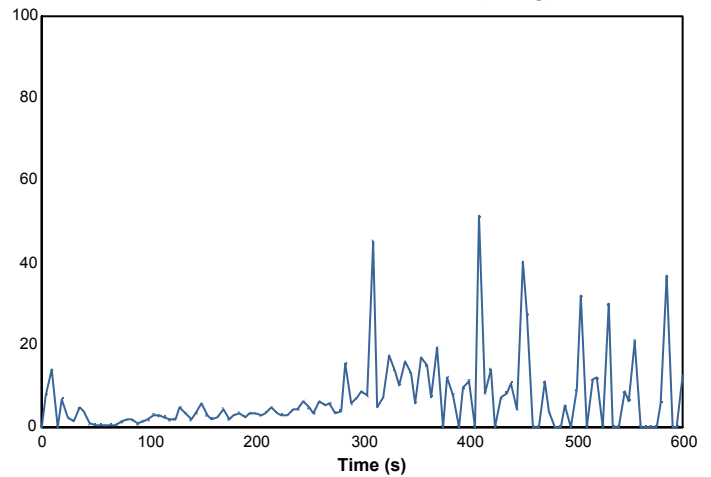
**Test Number :** 19-005899  
**Issue Date :** 21/11/2019  
**Print Date :** 22/11/2019

**Specimen :** 3

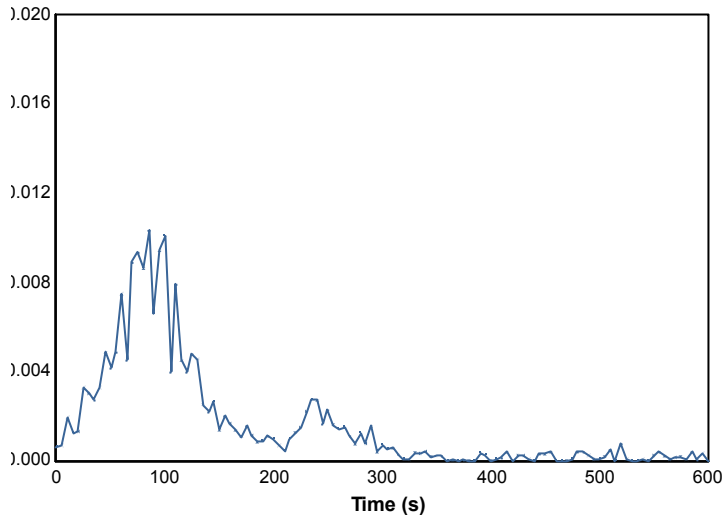
**Heat release rate (kW/m<sup>2</sup>)**



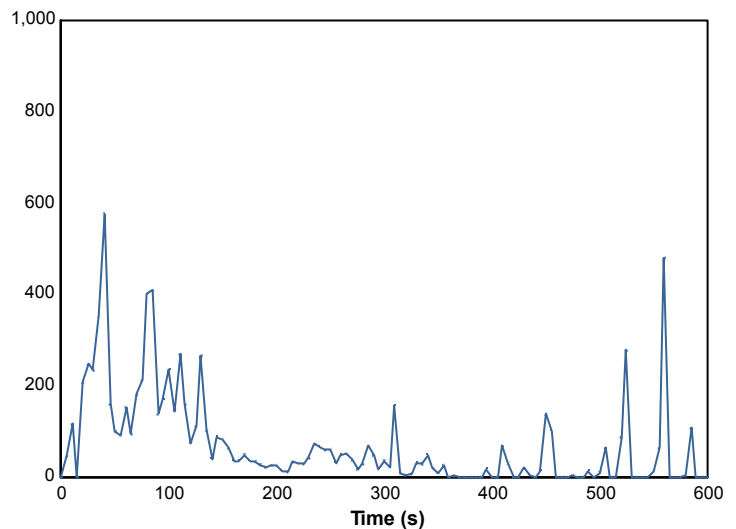
**Effective heat of combustion (MJ/kg)**



**Smoke production rate ([m<sup>2</sup>/s])**



**Specific extinction area (m<sup>2</sup>/kg)**



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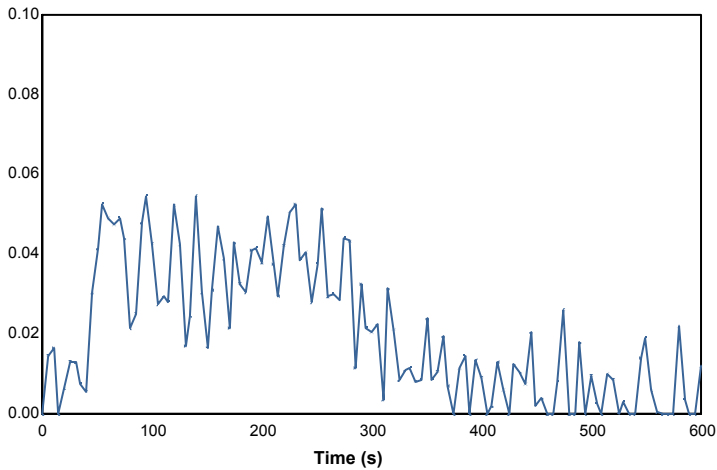
Phone (03) 9371 2400 Fax (03) 9371 2499

## TEST REPORT

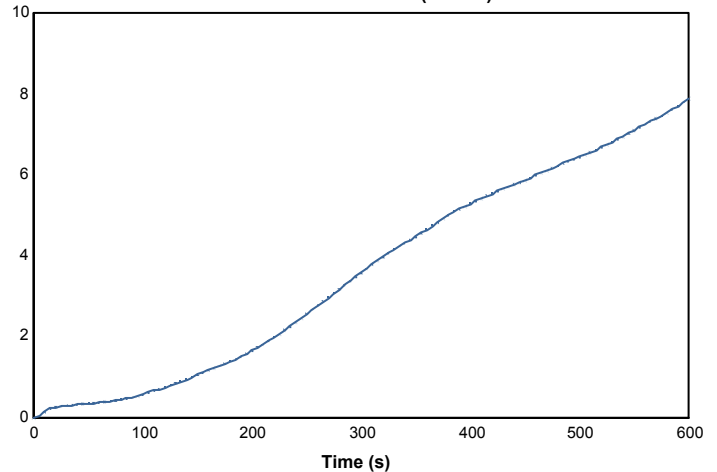
**Client :** Woven Image Pty Ltd  
37-39 Chard Road  
Brookvale NSW 2100

**Test Number :** 19-005899  
**Issue Date :** 21/11/2019  
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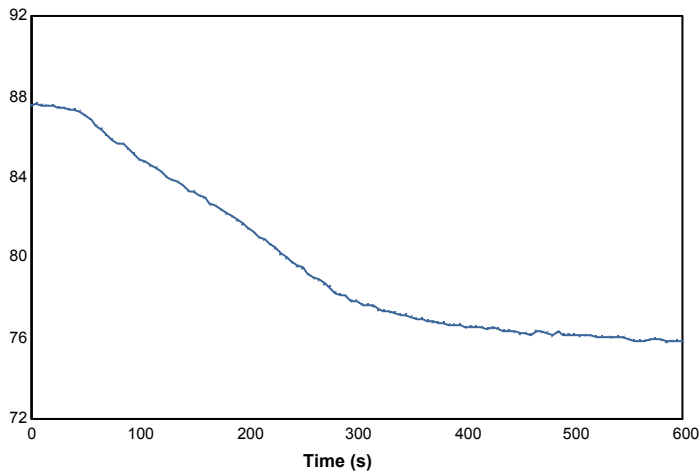
Mass loss rate (g/s)



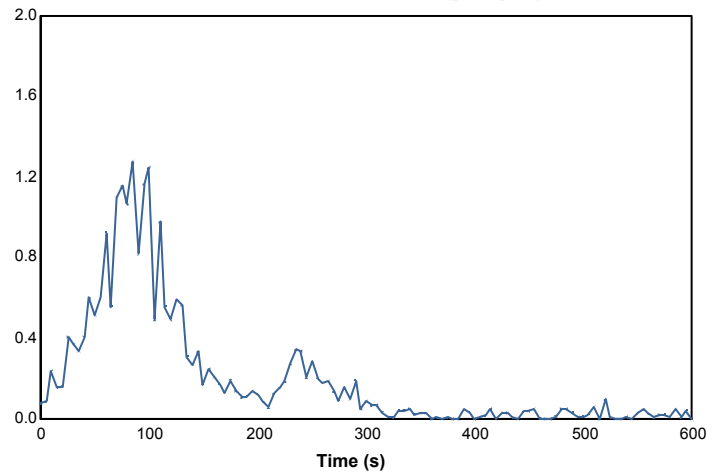
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s]/m²)



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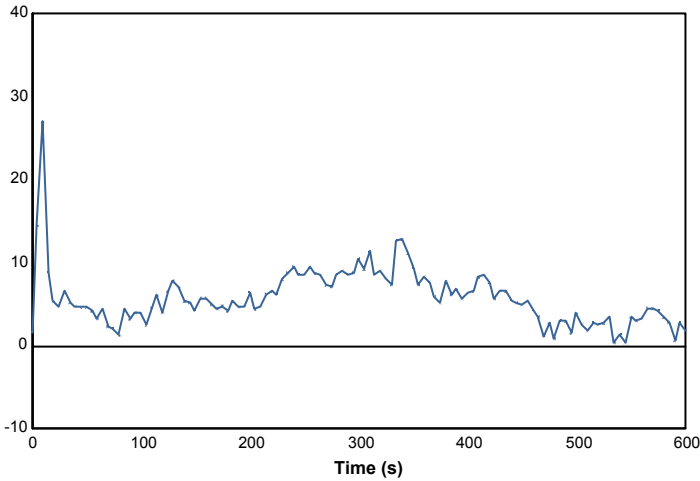
## TEST REPORT

**Client :** Woven Image Pty Ltd  
 37-39 Chard Road  
 Brookvale NSW 2100

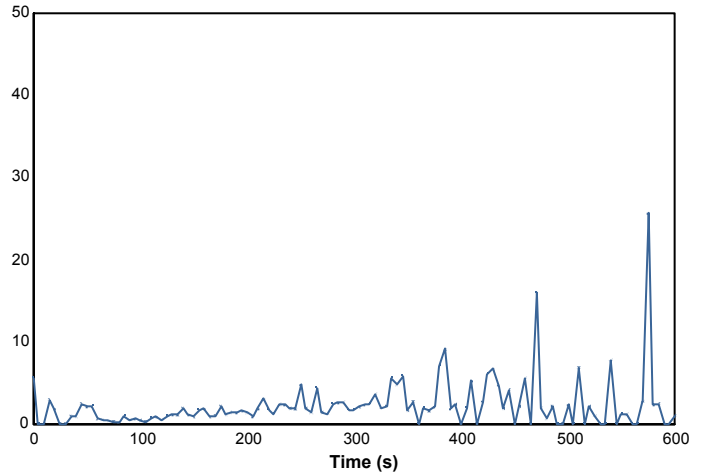
**Test Number :** 19-005899  
**Issue Date :** 21/11/2019  
**Print Date :** 22/11/2019

**Specimen :** 4

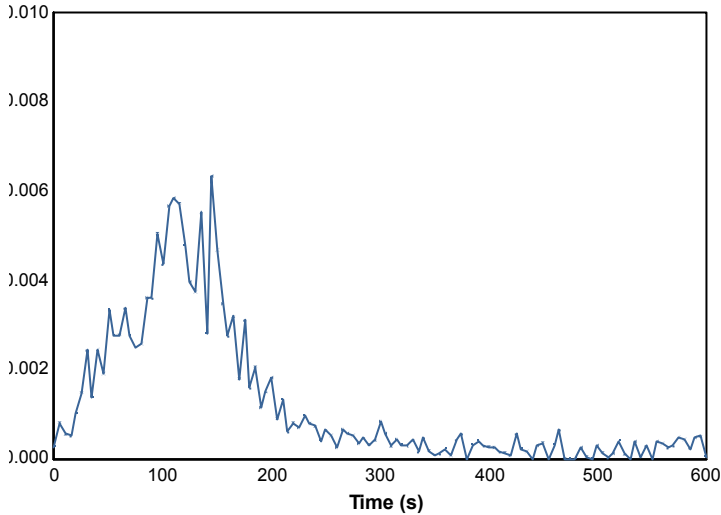
**Heat release rate (kW/m<sup>2</sup>)**



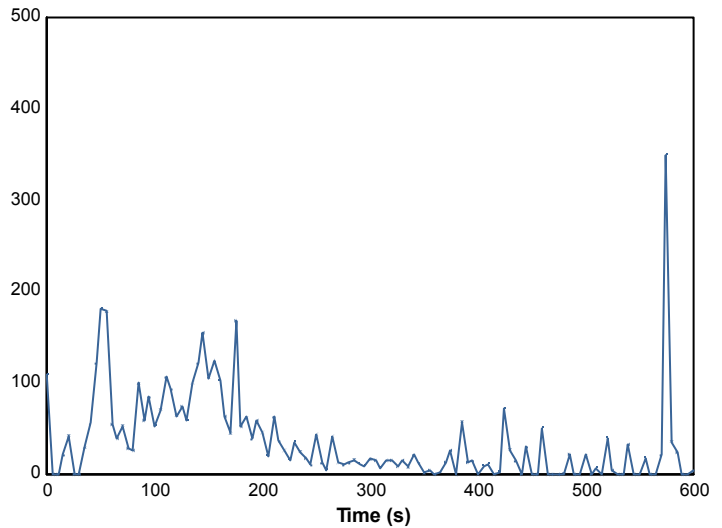
**Effective heat of combustion (MJ/kg)**



**Smoke production rate ([m<sup>2</sup>/s])**



**Specific extinction area (m<sup>2</sup>/kg)**



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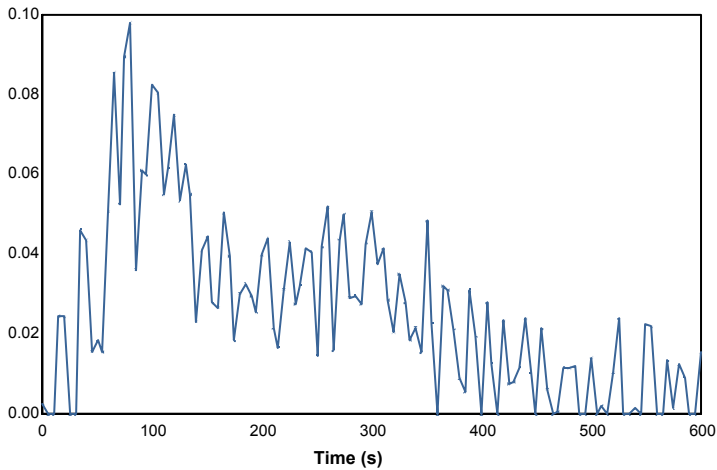
Phone (03) 9371 2400 Fax (03) 9371 2499

## TEST REPORT

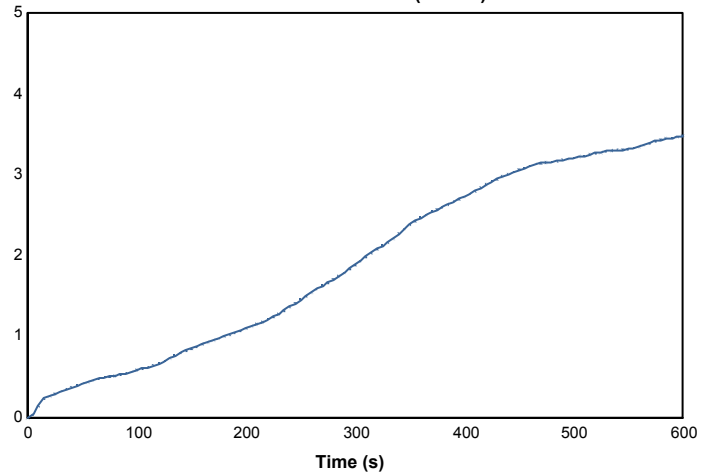
**Client :** Woven Image Pty Ltd  
37-39 Chard Road  
Brookvale NSW 2100

**Test Number :** 19-005899  
**Issue Date :** 21/11/2019  
**Print Date :** 22/11/2019

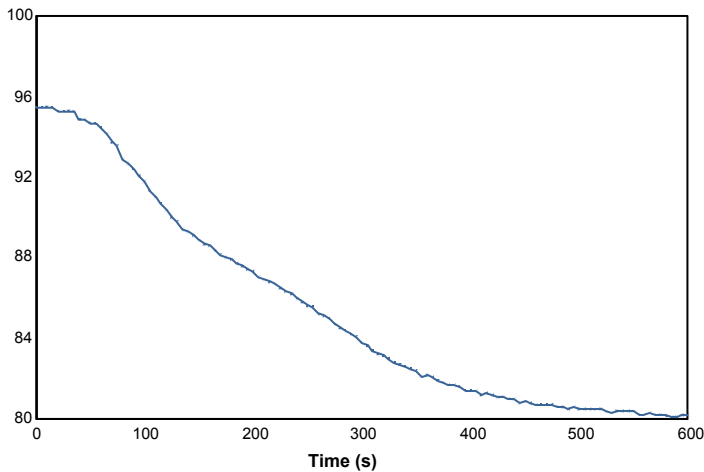
Mass loss rate (g/s)



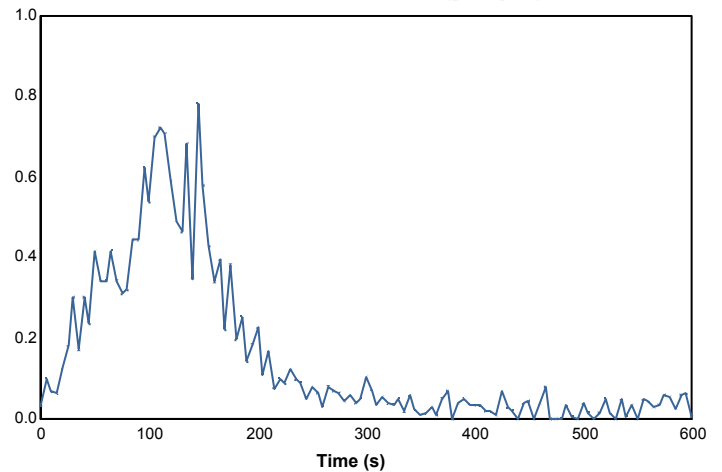
Total heat released (MJ/m<sup>2</sup>)



Mass (g)



Rate of smoke release ([m<sup>2</sup>/s]/m<sup>2</sup>)



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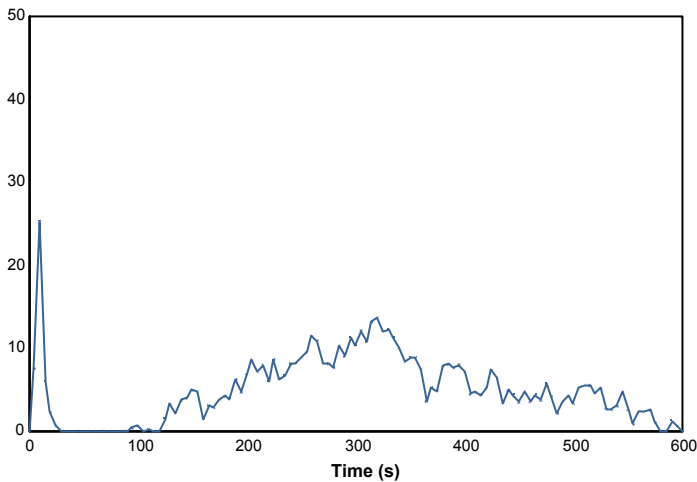
## TEST REPORT

**Client :** Woven Image Pty Ltd  
37-39 Chard Road  
Brookvale NSW 2100

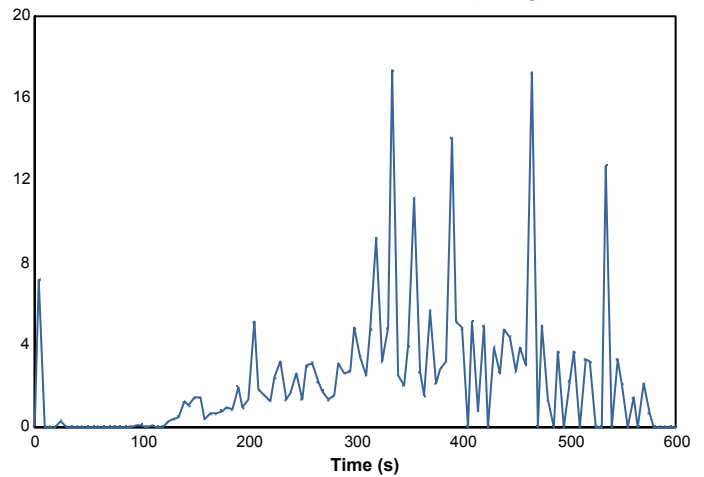
**Test Number :** 19-005899  
**Issue Date :** 21/11/2019  
**Print Date :** 22/11/2019

**Specimen :** 5

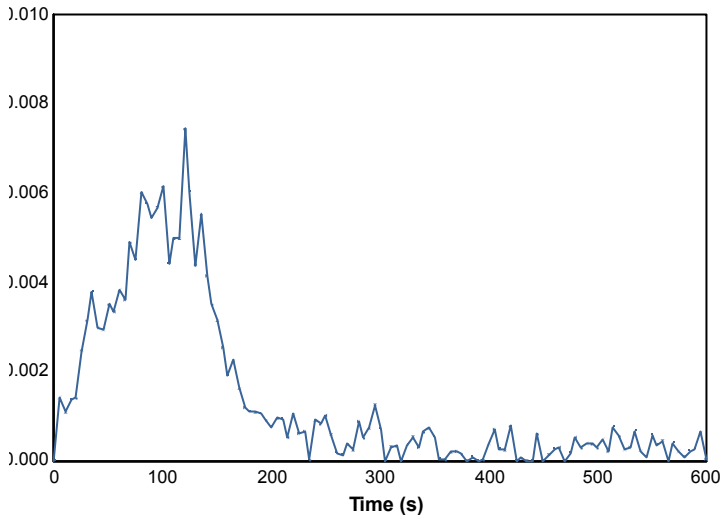
Heat release rate (kW/m<sup>2</sup>)



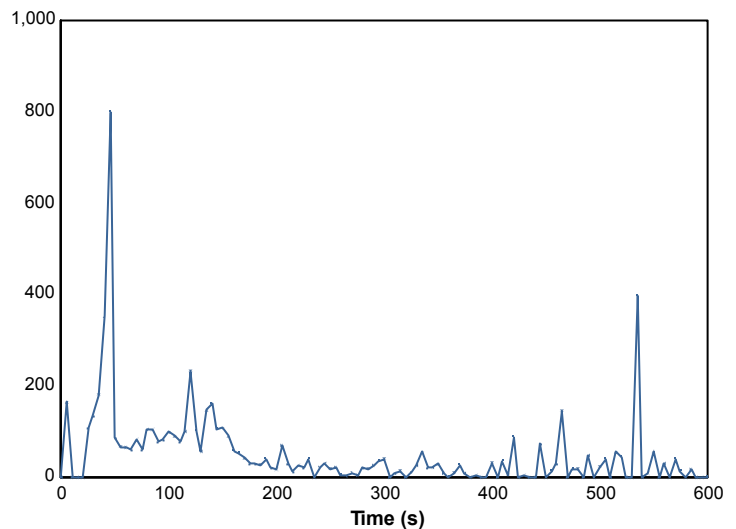
Effective heat of combustion (MJ/kg)



Smoke production rate ([m<sup>2</sup>/s])



Specific extinction area (m<sup>2</sup>/kg)



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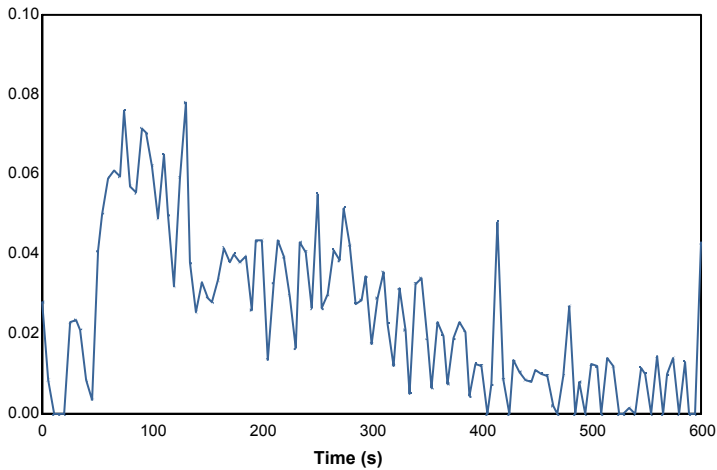
Phone (03) 9371 2400 Fax (03) 9371 2499

## TEST REPORT

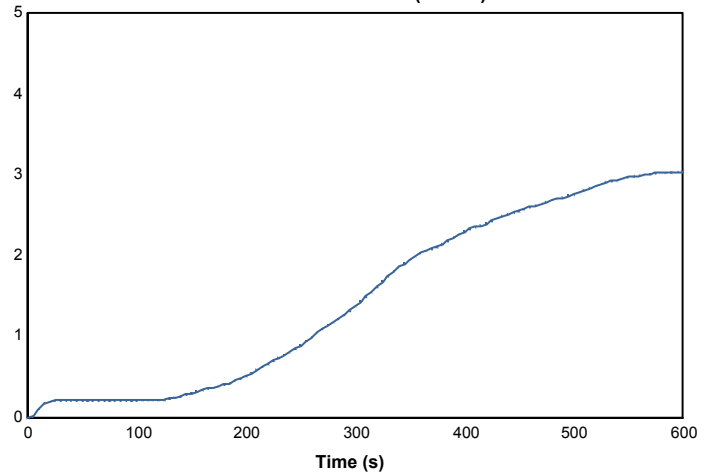
**Client :** Woven Image Pty Ltd  
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Brookvale NSW 2100

**Test Number :** 19-005899  
**Issue Date :** 21/11/2019  
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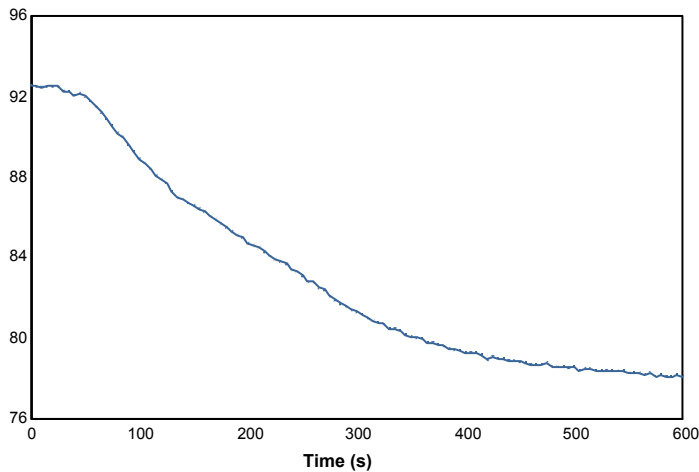
Mass loss rate (g/s)



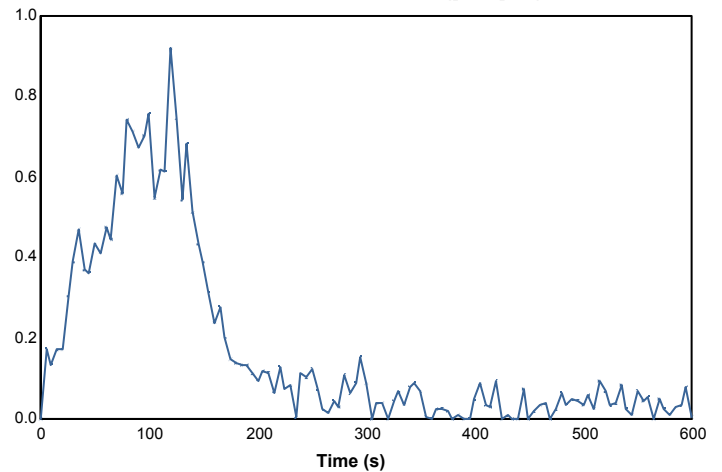
Total heat released (MJ/m<sup>2</sup>)



Mass (g)



Rate of smoke release ([m<sup>2</sup>/s)/m<sup>2</sup>)



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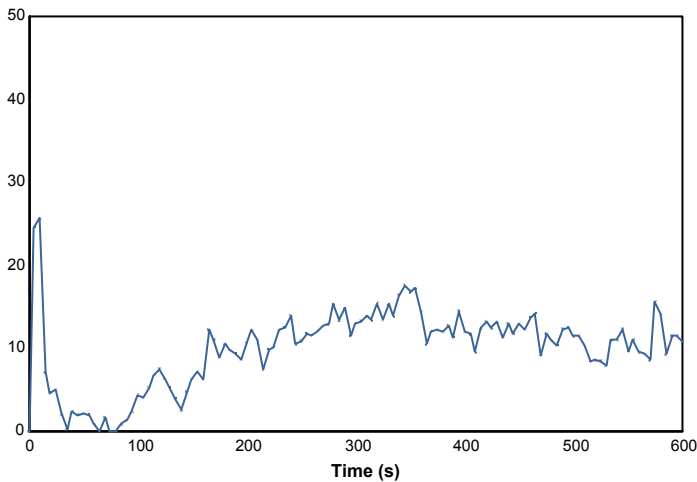
## TEST REPORT

**Client :** Woven Image Pty Ltd  
37-39 Chard Road  
Brookvale NSW 2100

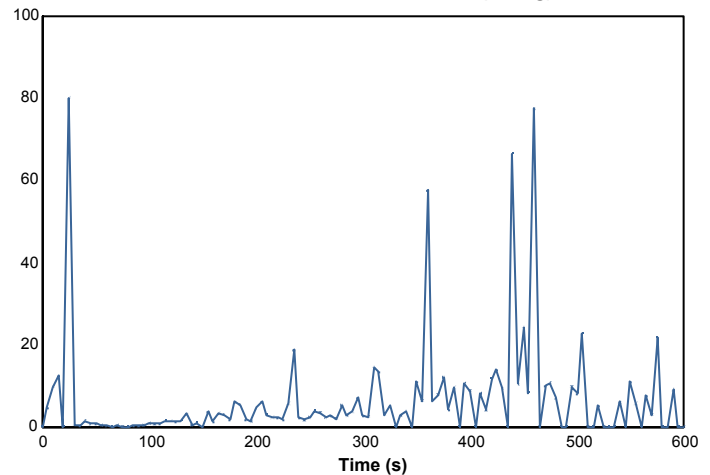
**Test Number :** 19-005899  
**Issue Date :** 21/11/2019  
**Print Date :** 22/11/2019

**Specimen :** 6

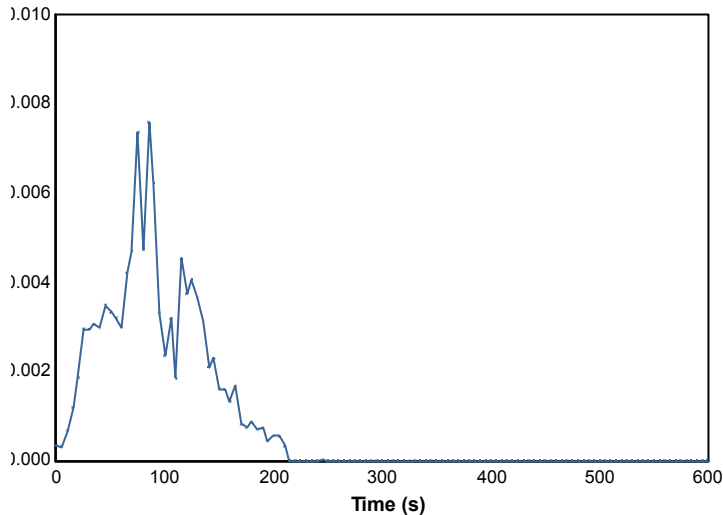
Heat release rate (kW/m<sup>2</sup>)



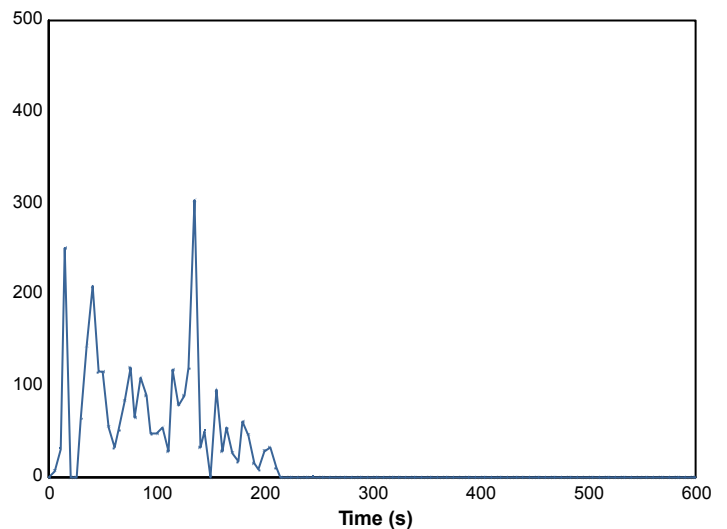
Effective heat of combustion (MJ/kg)



Smoke production rate ([m<sup>2</sup>/s])



Specific extinction area (m<sup>2</sup>/kg)



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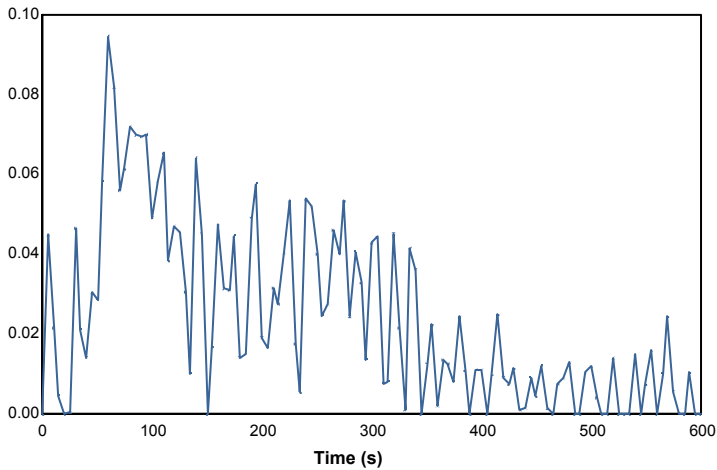
Phone (03) 9371 2400 Fax (03) 9371 2499

## TEST REPORT

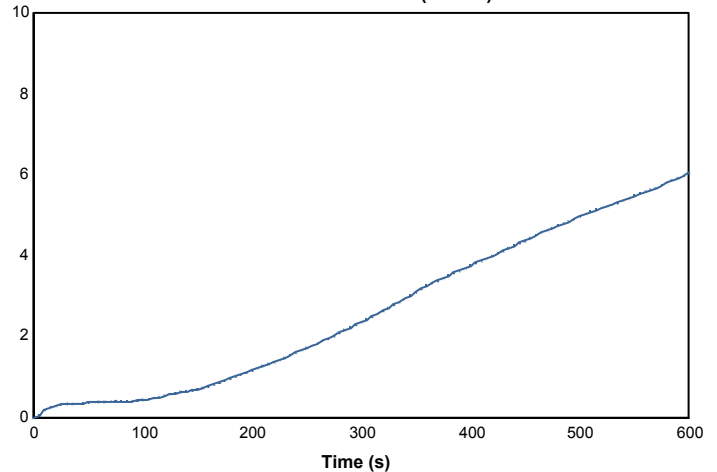
**Client :** Woven Image Pty Ltd  
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Brookvale NSW 2100

**Test Number :** 19-005899  
**Issue Date :** 21/11/2019  
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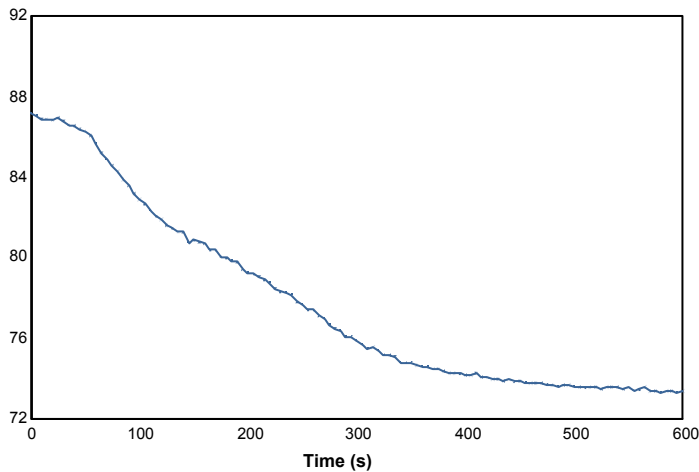
Mass loss rate (g/s)



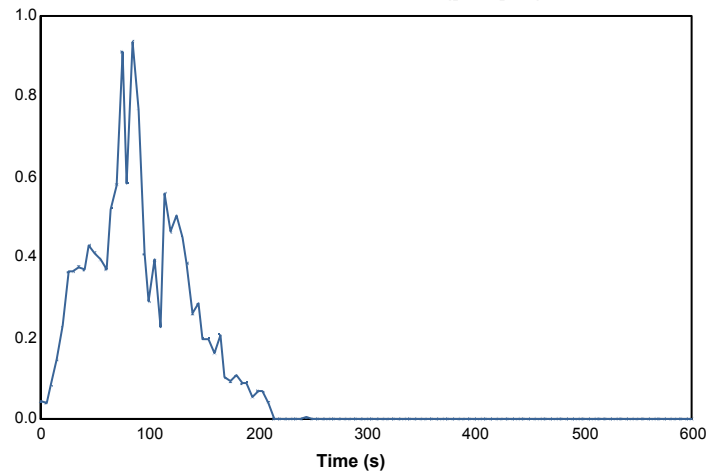
Total heat released (MJ/m<sup>2</sup>)



Mass (g)



Rate of smoke release ([m<sup>2</sup>/s)/m<sup>2</sup>)



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MANAGING DIRECTOR

# 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

## TEST REPORT

**Client :** Woven Image Pty Ltd  
37-39 Chard Road  
Brookvale NSW 2100

**Test Number :** 19-005899  
**Issue Date :** 21/11/2019  
**Print Date :** 22/11/2019

**Sample Description** Clients Ref : "Focus Quilted"  
Composite fabric assembly - fabric, foam, fabric  
D - Fabric  
End Use : Upholstery, wrapped Panels Operable Walls

**AS/NZS 3837-1998** Method of Test for Heat and Smoke Release Rates for Materials and Products using an Oxygen Consumption Calorimeter  
Date Tested 19/11/2019  
Operator AWTA Test Operator 3  
Face Tested Face

### Specimen

	1	2	3	Mean	
Average Heat Release Rate	fti	fti	fti	fti	kW/m <sup>2</sup>
Average Specific extinction area	40.5	25.2	7.2	24.3	m <sup>2</sup> /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 <sup>2</sup>
Exhaust flow rate	0.024	0.024	0.024	0.024	m <sup>3</sup> /s
Time to sustained flaming	fti	fti	fti	fti	sec
Test duration	600	600	600	600	sec
Initial thickness	7	7	7	7.0	mm
Initial mass	94.6	94.3	94.5	94.5	g
Mass at sustained flaming	94.6	94.3	94.5	94.5	g
Mass remaining	77.3	77.4	77.6	77.4	g
Mass percentage pyrolysed	18.3	17.9	17.9	18.0	%

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Mass loss	2.1	2.1	2.1	2.1	kg/m <sup>2</sup>
Average rate of mass loss	3.6	3.5	3.5	3.5	g/m <sup>2</sup> .s
Additional Observations	None				
Difficulties Encountered during Testing	None				

fti = failed to ignite

This product has a release rate of less than 50 kW/m<sup>2</sup>. The formulas given in the Building Code of Australia do not allow the calculation of a group in these circumstances. A product with very low heat release rates like this product is classified as a group 1 material or better according to advice from the Australian Building Codes Board.

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.

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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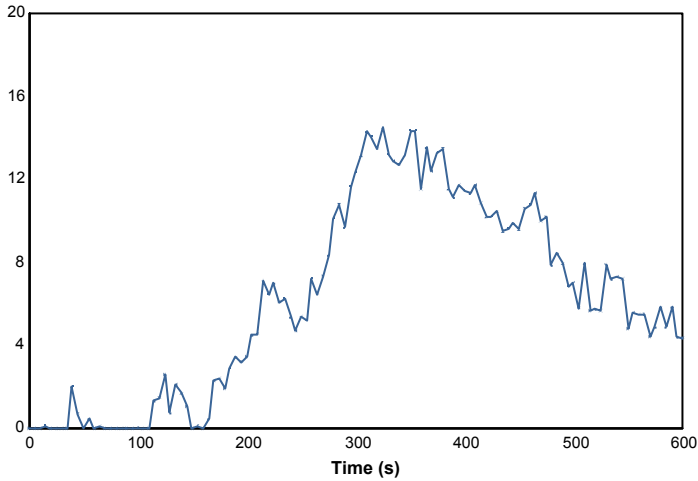
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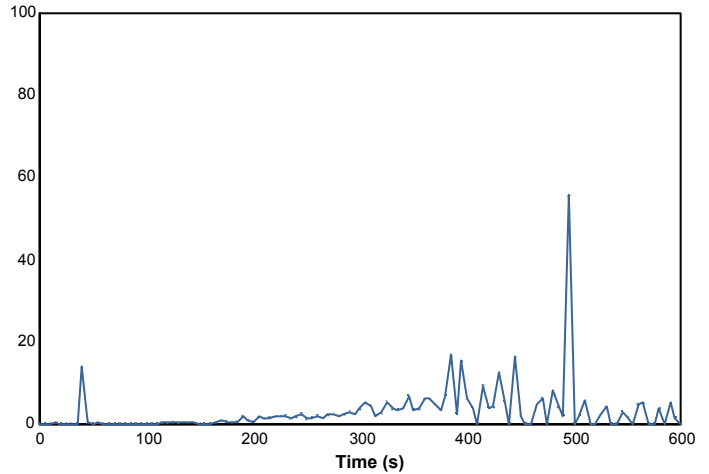
**Test Number :** 19-005899  
**Issue Date :** 21/11/2019  
**Print Date :** 22/11/2019

**Specimen :** 1

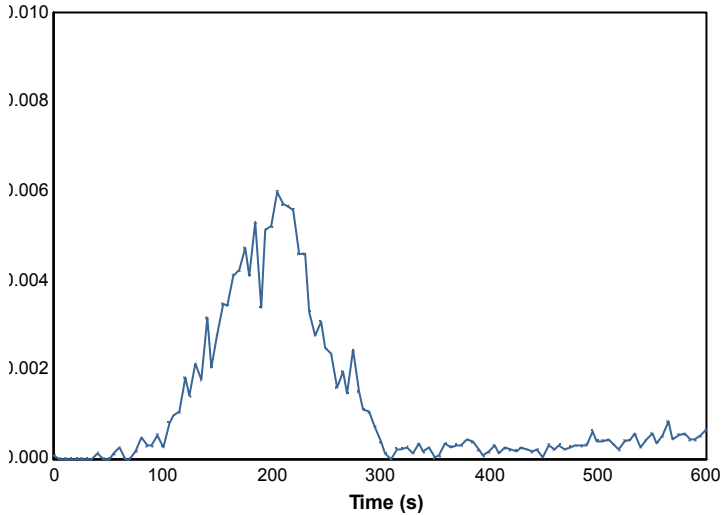
Heat release rate (kW/m<sup>2</sup>)



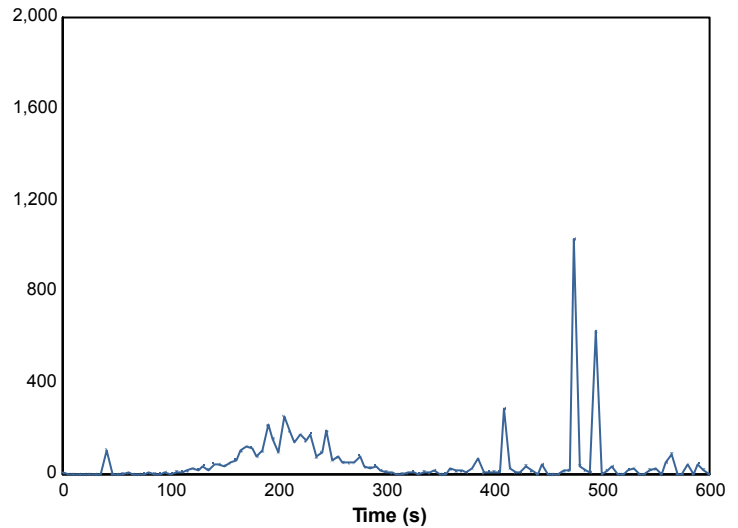
Effective heat of combustion (MJ/kg)



Smoke production rate ([m<sup>2</sup>/s])



Specific extinction area (m<sup>2</sup>/kg)



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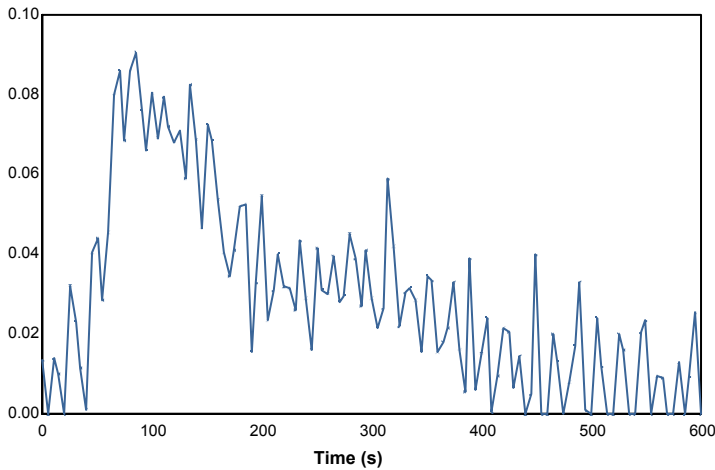
Phone (03) 9371 2400 Fax (03) 9371 2499

## TEST REPORT

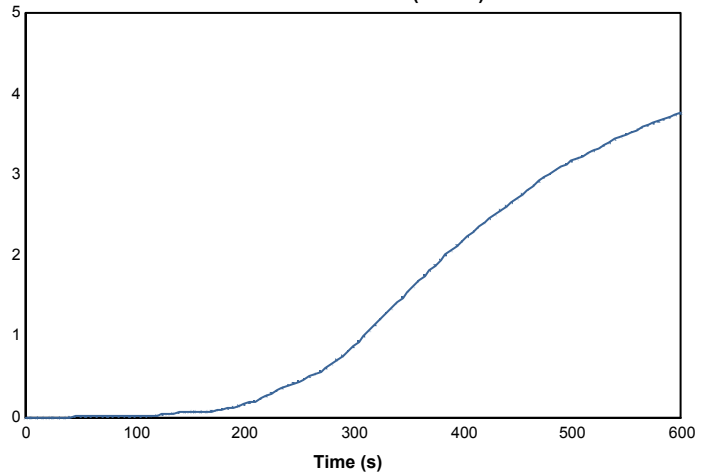
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**Test Number :** 19-005899  
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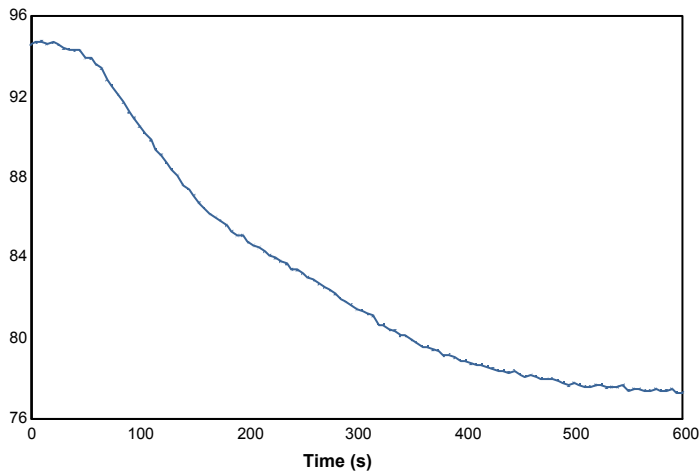
Mass loss rate (g/s)



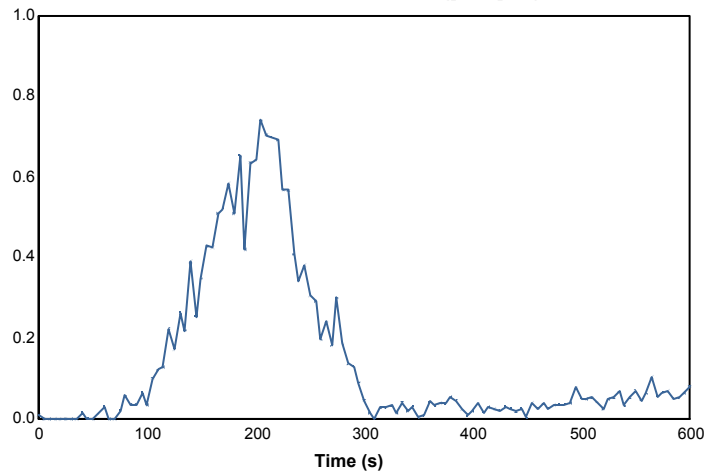
Total heat released (MJ/m<sup>2</sup>)



Mass (g)



Rate of smoke release ([m<sup>2</sup>/s]/m<sup>2</sup>)



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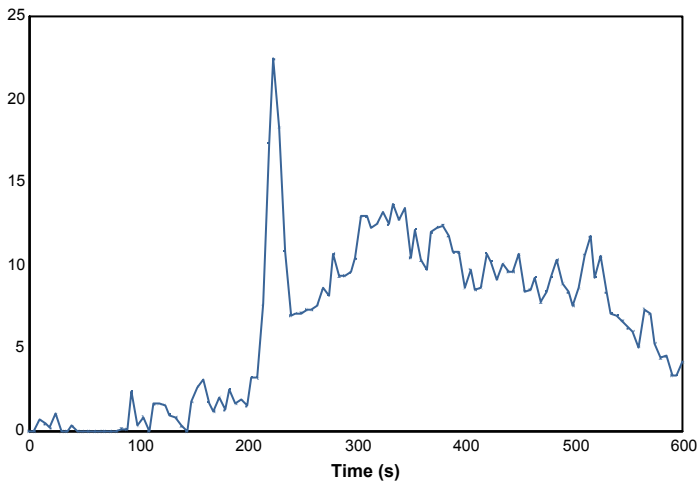
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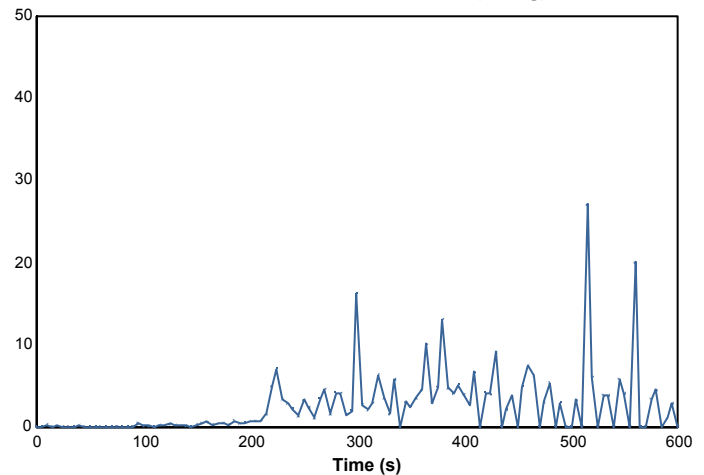
**Test Number :** 19-005899  
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**Specimen :** 2

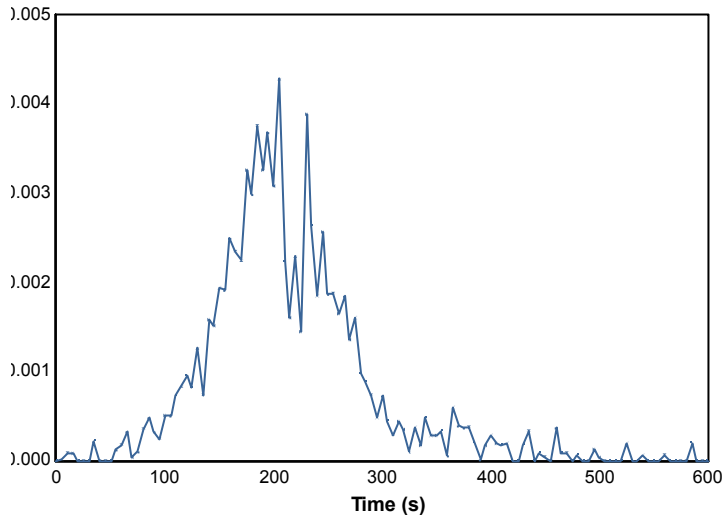
Heat release rate (kW/m<sup>2</sup>)



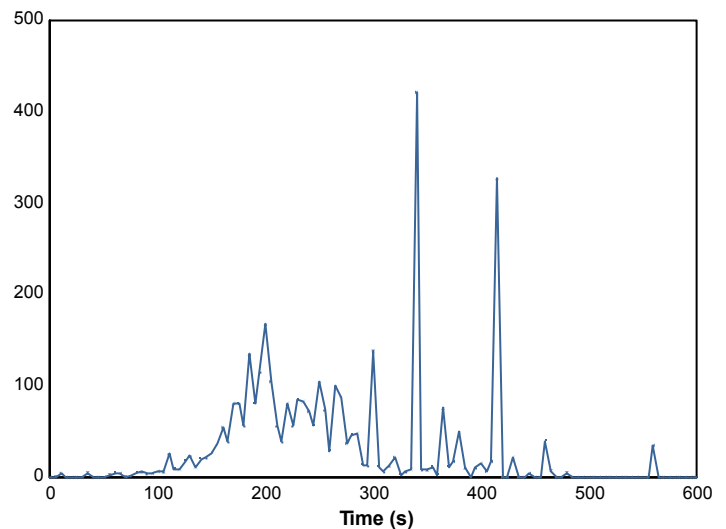
Effective heat of combustion (MJ/kg)



Smoke production rate ([m<sup>2</sup>/s])



Specific extinction area (m<sup>2</sup>/kg)



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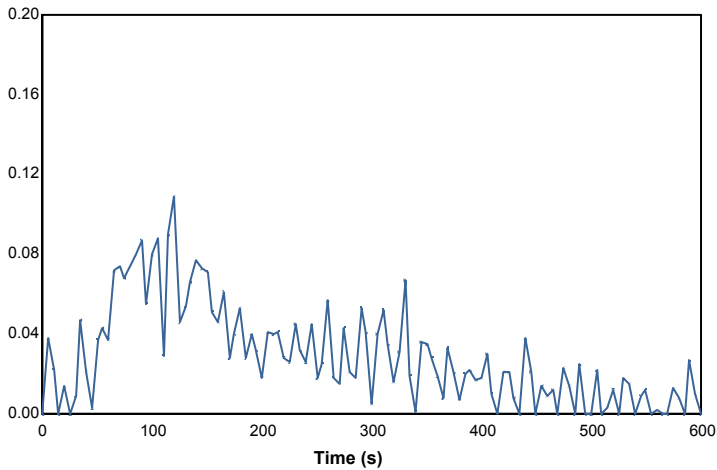
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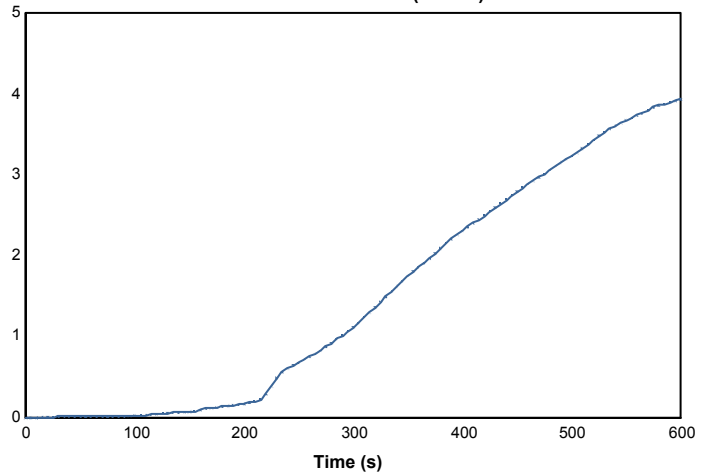
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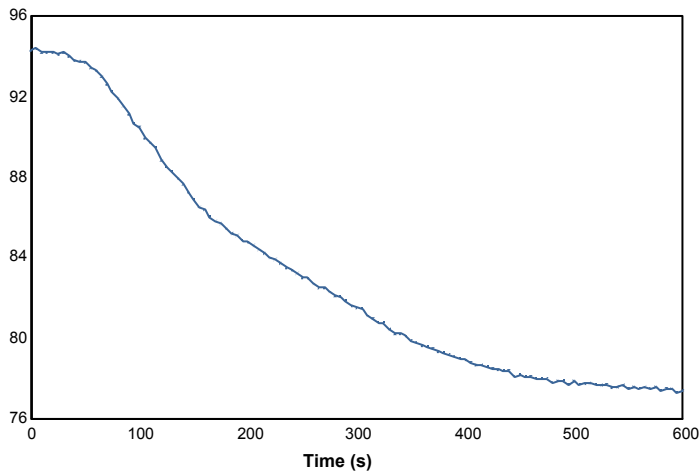
Mass loss rate (g/s)



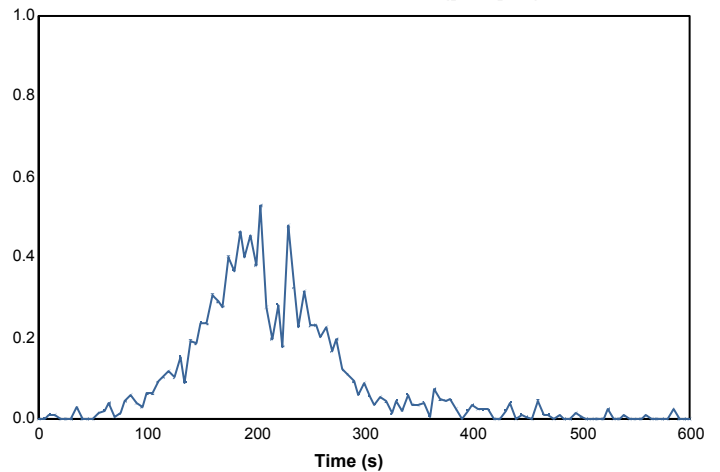
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s]/m²)



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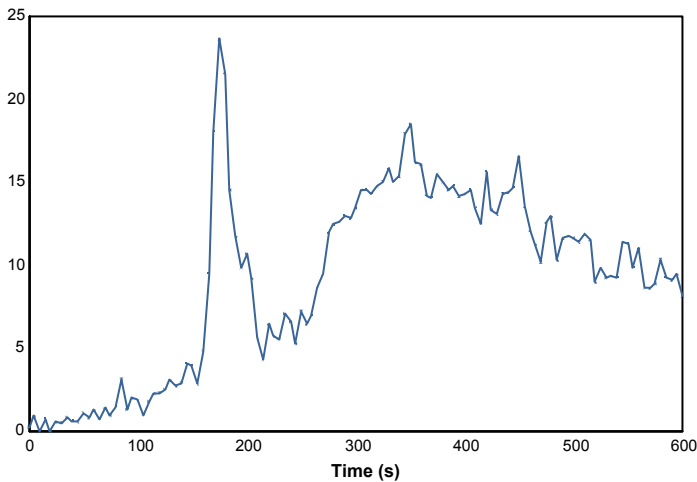
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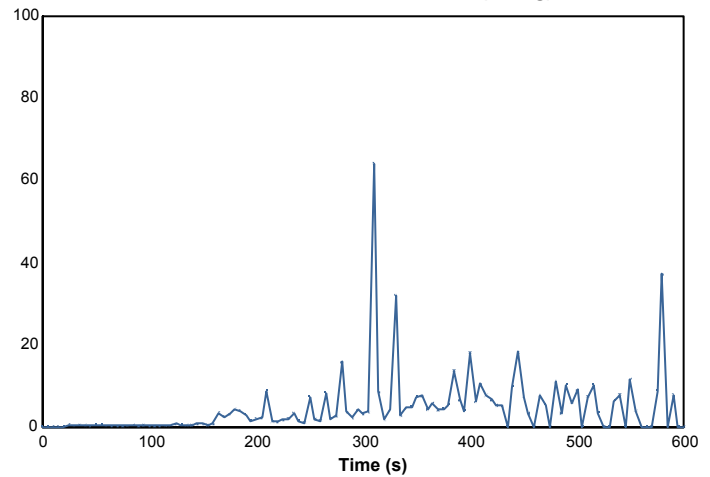
**Test Number :** 19-005899  
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**Specimen :** 3

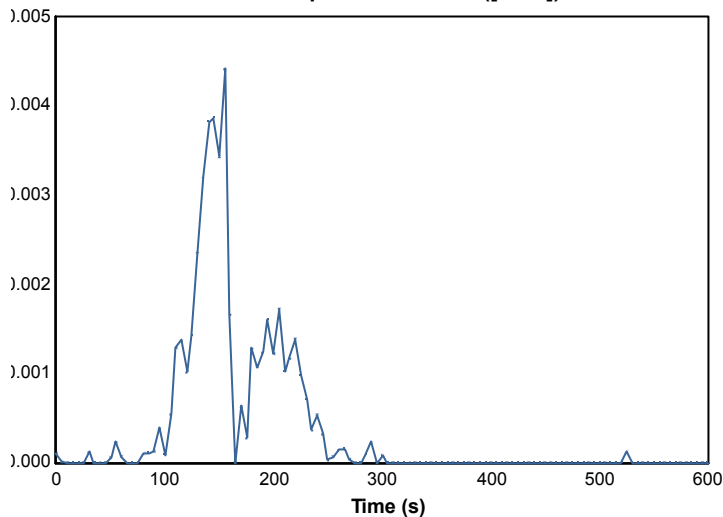
Heat release rate (kW/m<sup>2</sup>)



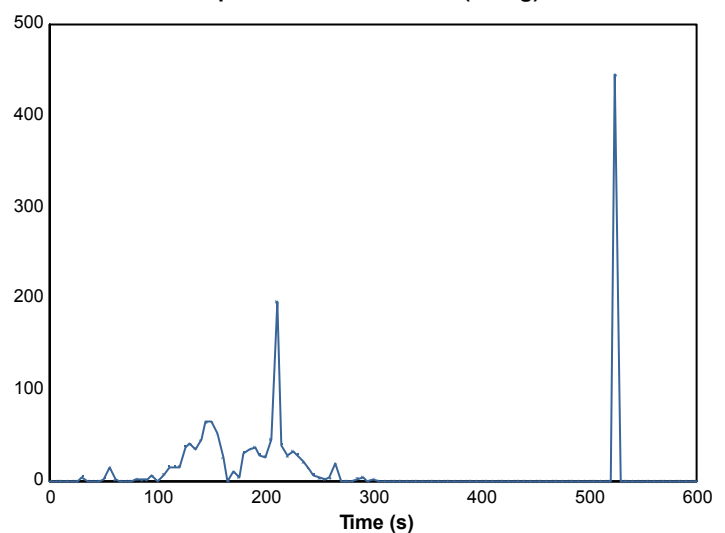
Effective heat of combustion (MJ/kg)



Smoke production rate ([m<sup>2</sup>/s])



Specific extinction area (m<sup>2</sup>/kg)



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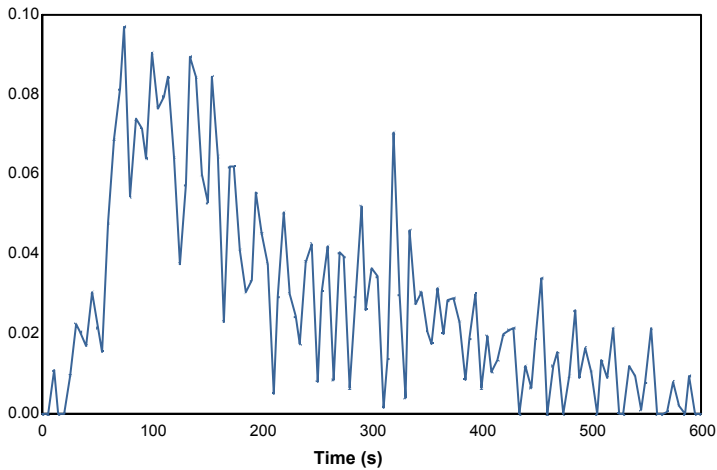
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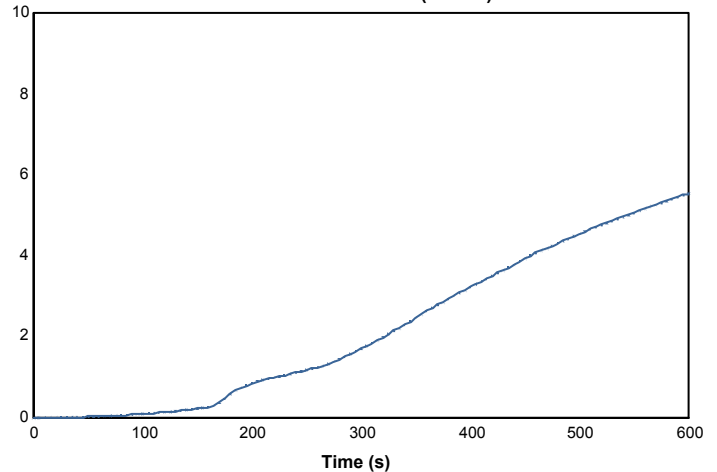
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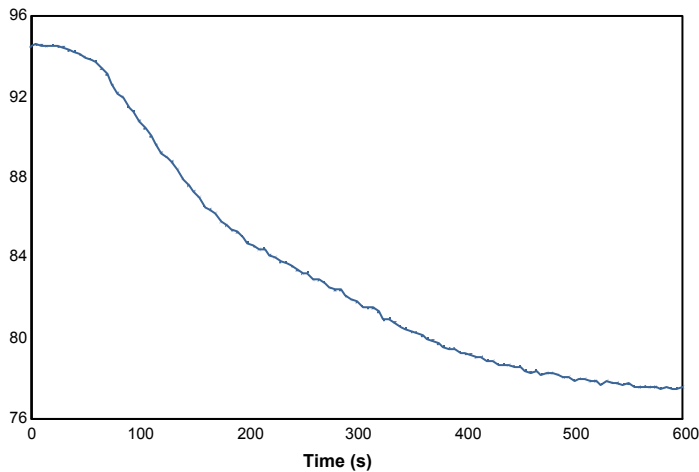
Mass loss rate (g/s)



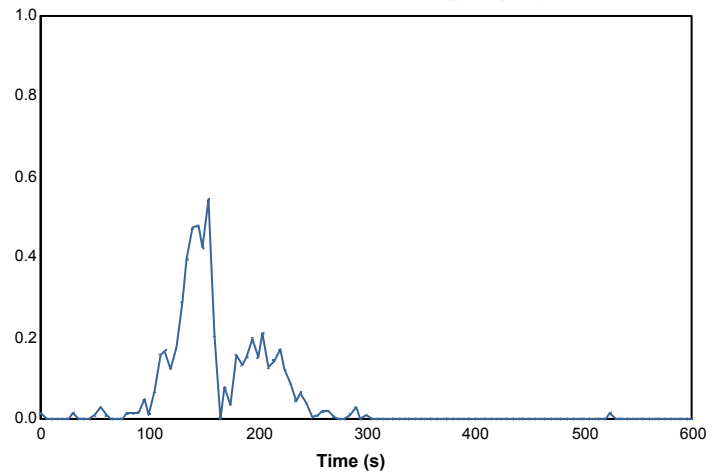
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s]/m²)



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