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 : Orafol Australia
8 Blanck Street
Ormeau QLD 4208

Test Number : 21-002732
Issue Date : 11/06/2021
Print Date : 15/06/2021

Sample Description

Clients Ref : "Orajet 3651"
Flexible self-adhesive film
Colour : White
End Use : Wall Covering
Nominal Composition : Blended Polymeric PVC
Nominal Mass per Unit Area/Density : Approx 120g/m2
Nominal Thickness : 70 micron

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

Date Tested 11-06-2021
Face Tested FACE

	Specimen 1	2	3	Mean	
Average Heat Release Rate	23.2	21.4	23.1	22.5	kW/m²
Average Specific extinction area	42.2	41.4	48.3	44.0	m²/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/m²
Exhaust flow rate	0.024	0.024	0.024	0.024	m³/s
Time to sustained flaming	31	36	33	33	sec
Test duration	212	217	214	214	sec
Peak heat release after ignition	86.8	78.0	90.7	85.2	kW/m²
Average heat at 60 s	47.1	42.4	46.1	45.2	kW/m²

NATA Accredited for compliance with ISO/IEC 17025 - Testing

AWTA LIMITED

Samples and their identifying descriptions have been provided by the client unless otherwise stated. AWTA Ltd makes no warranty, implied or otherwise, as to the source of the tested samples. The above test results relate only to the sample or samples tested. This document shall not be reproduced except in full and shall be rendered void if amended or altered. This document, the names AWTA Product Testing and AWTA Ltd may be used in advertising providing the content and format of the advertisement have been approved by the Managing Director of AWTA Ltd.

Fiona McDonald
APPROVED SIGNATORY

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

0204/11/06

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 : Orafol Australia
8 Blanck Street
Ormeau QLD 4208

Test Number : 21-002732
Issue Date : 11/06/2021
Print Date : 15/06/2021

Average heat at 180 s	23.2	21.6	23.3	22.7	kW/m²
Average heat at 300 s	n/a	n/a	n/a	n/a	kW/m²
Total heat released	4.2	3.9	4.2	4.1	MJ/m²
Average effective heat of combustion	4.1	3.9	4.0	4.0	MJ/kg
Initial thickness	10.1	10.1	10.1	10.1	mm
Initial mass	60.3	60.8	59.5	60.2	g
Mass remaining	52.0	52.6	50.9	51.8	g
Mass percentage pyrolysed	13.8	13.5	14.5	13.9	%
Mass loss	1.0	1.0	1.1	1.0	kg/m²
Average rate of mass loss	5.7	5.6	5.8	5.7	g/m².s
Additional Observations	NONE				
Difficulties Encountered during Testing	NONE				

Tests were conducted with a wire grid placed over the sample during testing . This was done to contain intumescing sample 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.

Each specimen was self adhered to 10mm thick plasterboard prior to testing

NATA Accredited for compliance with ISO/IEC 17025 - Testing

AWTA LIMITED

Fiona McDonald
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

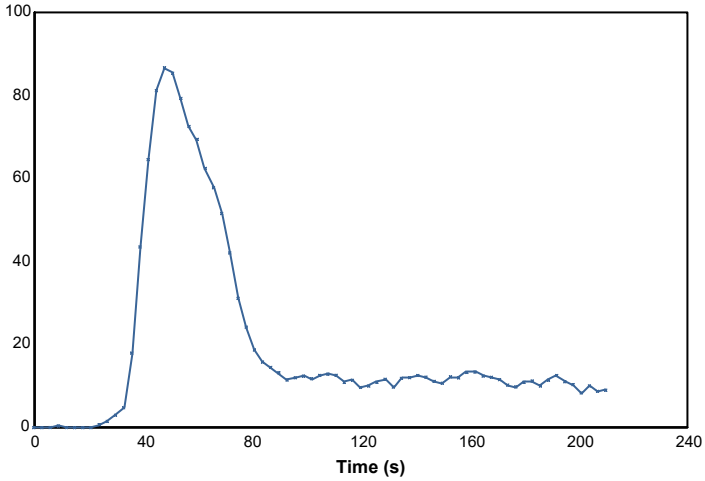
TEST REPORT

Client : Orafol Australia
8 Blanck Street
Ormeau QLD 4208

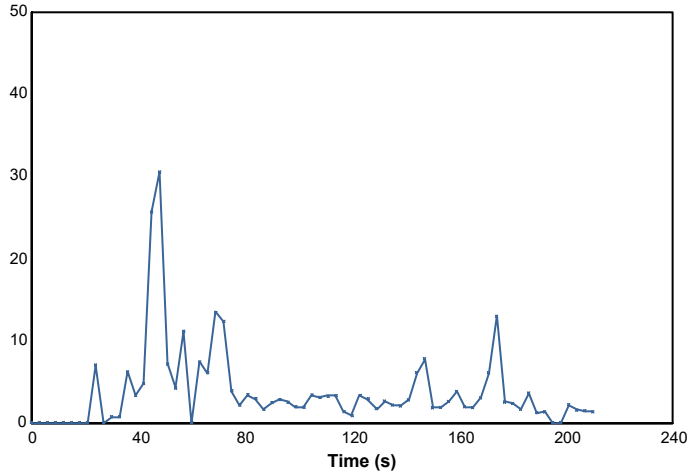
Test Number : 21-002732
Issue Date : 11/06/2021
Print Date : 15/06/2021

Specimen : 1

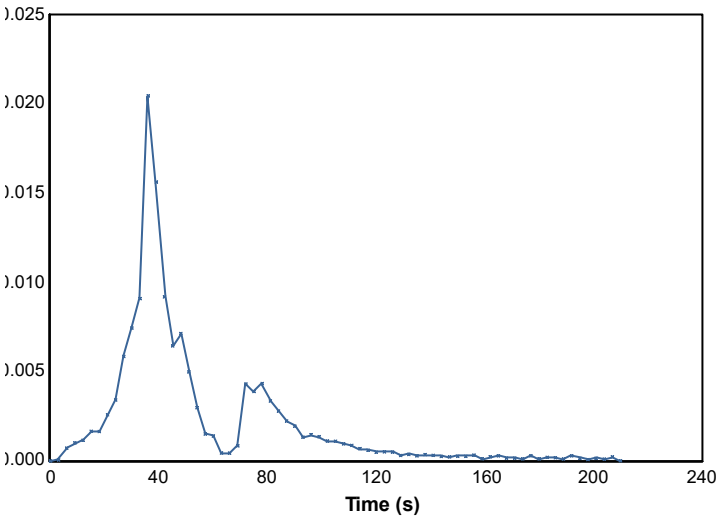
Heat release rate (kW/m²)



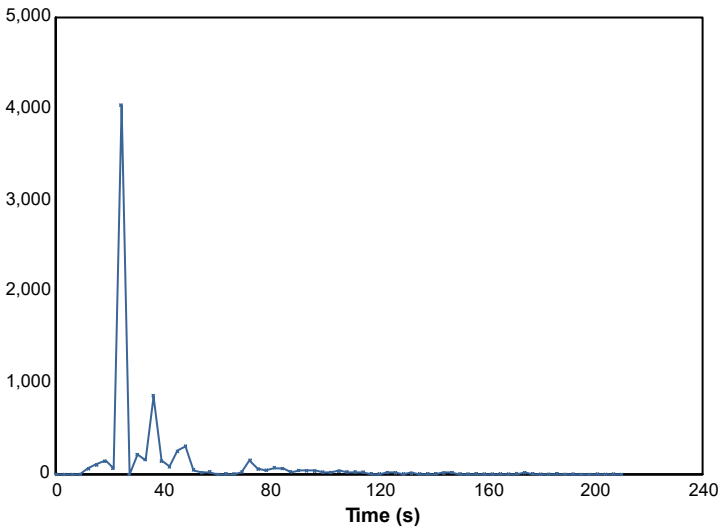
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



152766 52012

NATA

Accredited for compliance with ISO/IEC 17025 - Testing

AWTA LIMITED

Fiona McDonald
APPROVED SIGNATORY

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

AWTA PRODUCT TESTING

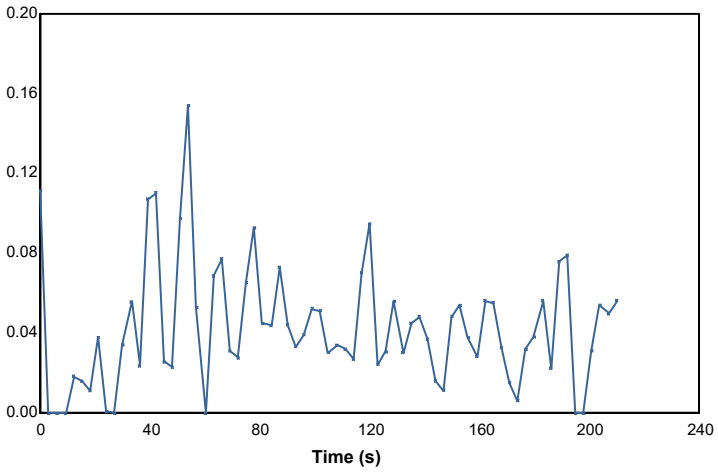
Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
A.B.N 43 006 014 106
1st Floor, 191 Racecourse Road, Flemington, Victoria 3031
P.O Box 240, North Melbourne, Victoria 3051
Phone (03) 9371 2400

TEST REPORT

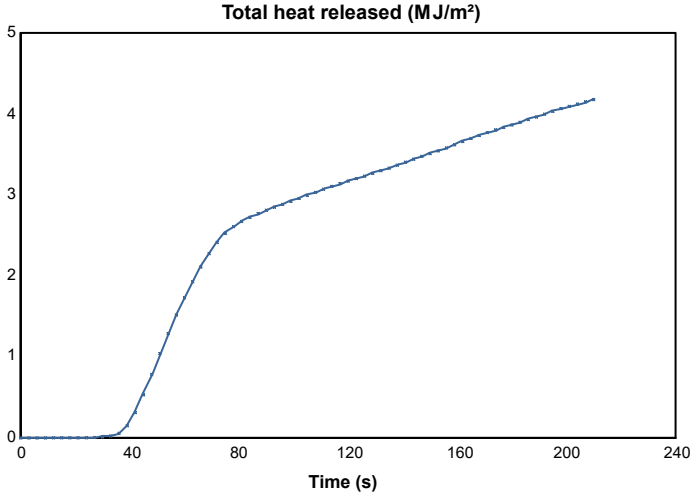
Client : Orafol Australia
8 Blanck Street
Ormeau QLD 4208

Test Number : 21-002732
Issue Date : 11/06/2021
Print Date : 15/06/2021

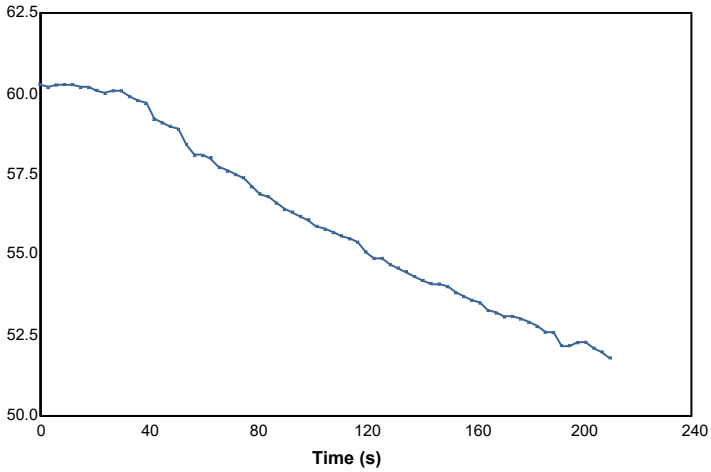
Mass loss rate (g/s)



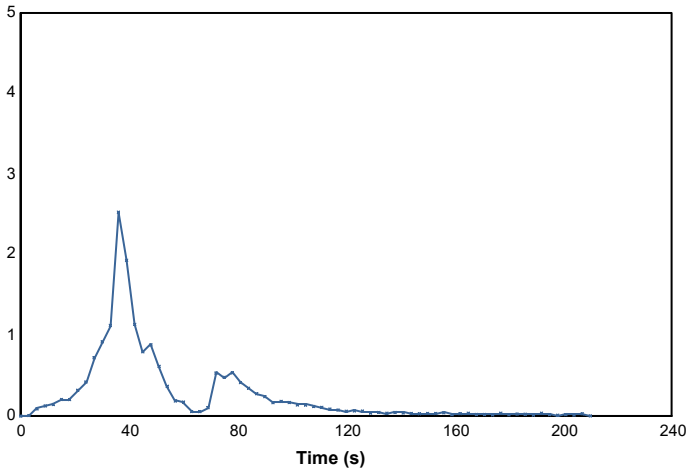
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s]/m²)



NATA

Accredited for compliance with ISO/IEC 17025 - Testing

AWTA LIMITED

Samples and their identifying descriptions have been provided by the client unless otherwise stated. AWTA Ltd makes no warranty, implied or otherwise, as to the source of the tested samples. The above test results relate only to the sample or samples tested. This document shall not be reproduced except in full and shall be rendered void if amended or altered. This document, the names AWTA Product Testing and AWTA Ltd may be used in advertising providing the content and format of the advertisement have been approved by the Managing Director of AWTA Ltd.

Fiona McDonald
APPROVED SIGNATORY

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

0204/11/06

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

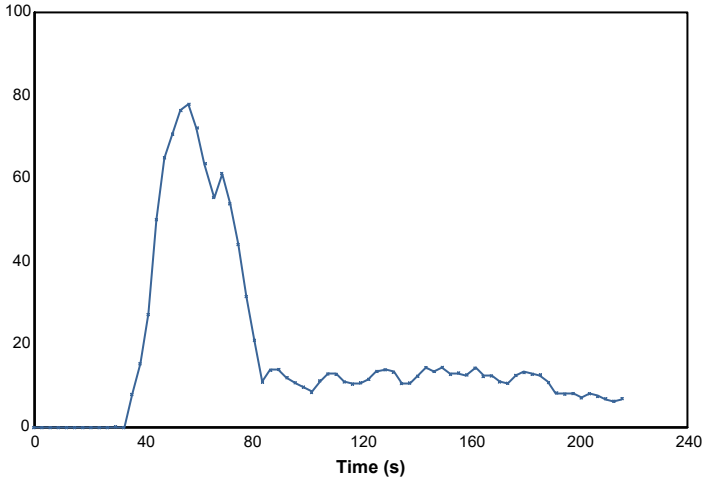
TEST REPORT

Client : Orafol Australia
8 Blanck Street
Ormeau QLD 4208

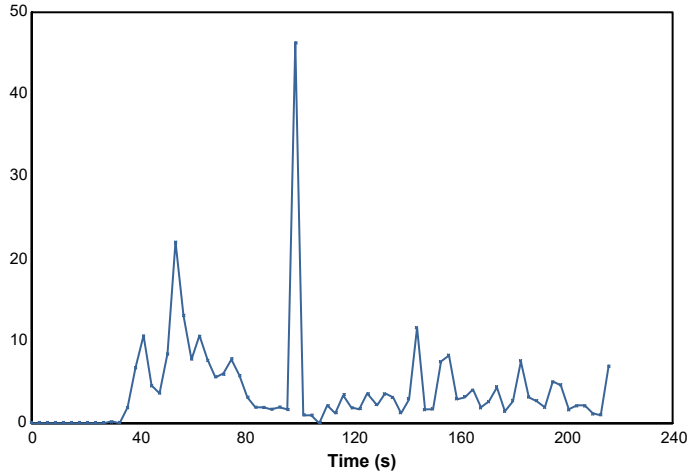
Test Number : 21-002732
Issue Date : 11/06/2021
Print Date : 15/06/2021

Specimen : 2

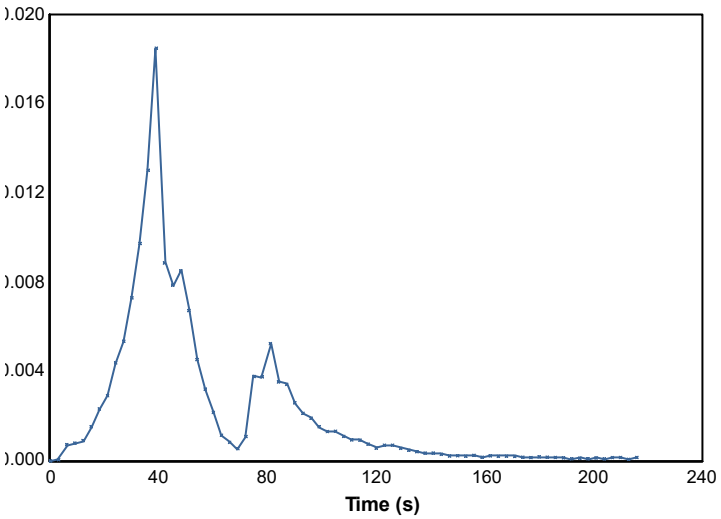
Heat release rate (kW/m²)



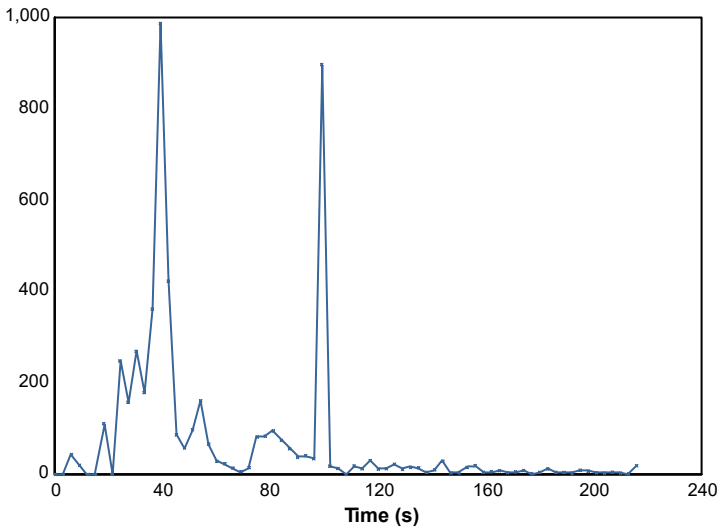
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



152766 52012

NATA

Accredited for compliance with ISO/IEC 17025 - Testing

AWTA LIMITED

Samples and their identifying descriptions have been provided by the client unless otherwise stated. AWTA Ltd makes no warranty, implied or otherwise, as to the source of the tested samples. The above test results relate only to the sample or samples tested. This document shall not be reproduced except in full and shall be rendered void if amended or altered. This document, the names AWTA Product Testing and AWTA Ltd may be used in advertising providing the content and format of the advertisement have been approved by the Managing Director of AWTA Ltd.

Fiona McDonald
APPROVED SIGNATORY

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

0204/11/06

AWTA PRODUCT TESTING

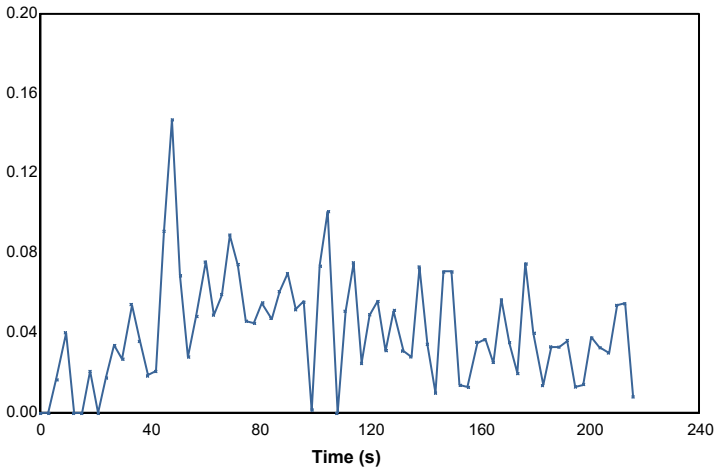
Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
A.B.N 43 006 014 106
1st Floor, 191 Racecourse Road, Flemington, Victoria 3031
P.O Box 240, North Melbourne, Victoria 3051
Phone (03) 9371 2400

TEST REPORT

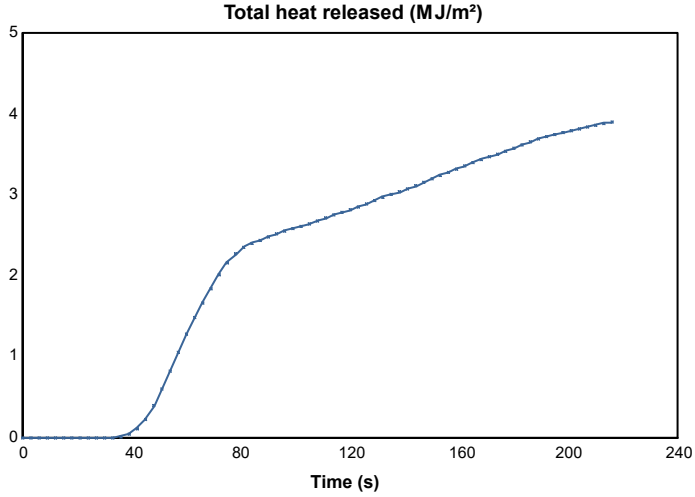
Client : Orafol Australia
8 Blanck Street
Ormeau QLD 4208

Test Number : 21-002732
Issue Date : 11/06/2021
Print Date : 15/06/2021

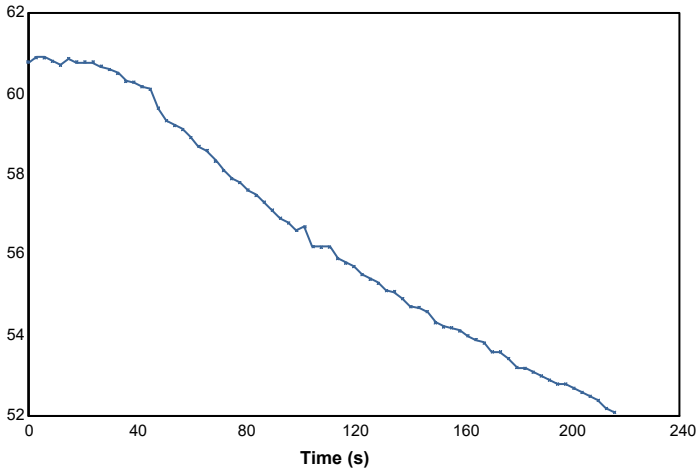
Mass loss rate (g/s)



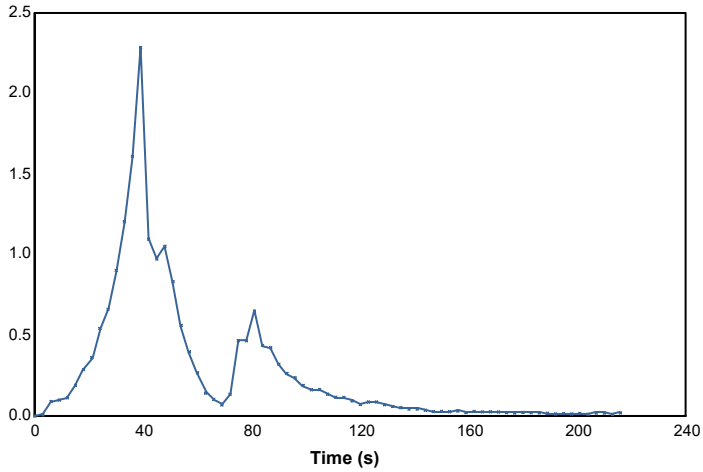
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s]/m²)



152766 52012

NATA

Accredited for compliance with ISO/IEC 17025 - Testing

AWTA LIMITED

Samples and their identifying descriptions have been provided by the client unless otherwise stated. AWTA Ltd makes no warranty, implied or otherwise, as to the source of the tested samples. The above test results relate only to the sample or samples tested. This document shall not be reproduced except in full and shall be rendered void if amended or altered. This document, the names AWTA Product Testing and AWTA Ltd may be used in advertising providing the content and format of the advertisement have been approved by the Managing Director of AWTA Ltd.

Fiona McDonald
APPROVED SIGNATORY

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

0204/11/06

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

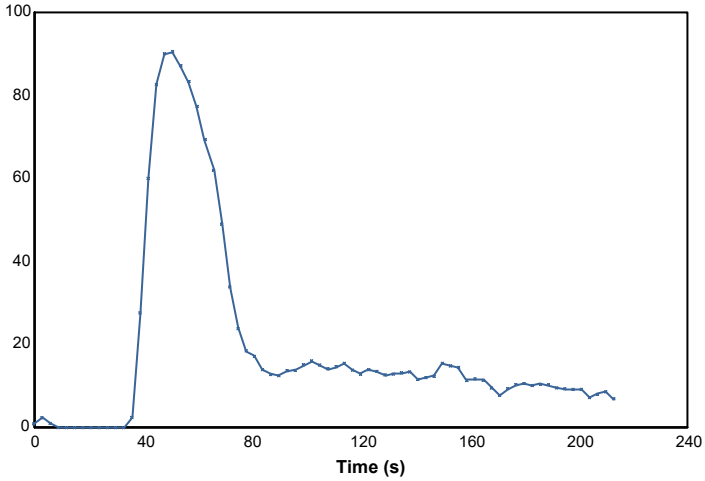
TEST REPORT

Client : Orafol Australia
8 Blanck Street
Ormeau QLD 4208

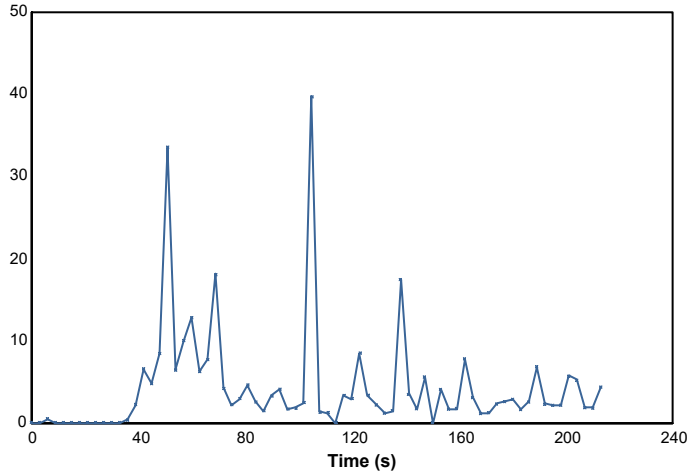
Test Number : 21-002732
Issue Date : 11/06/2021
Print Date : 15/06/2021

Specimen : 3

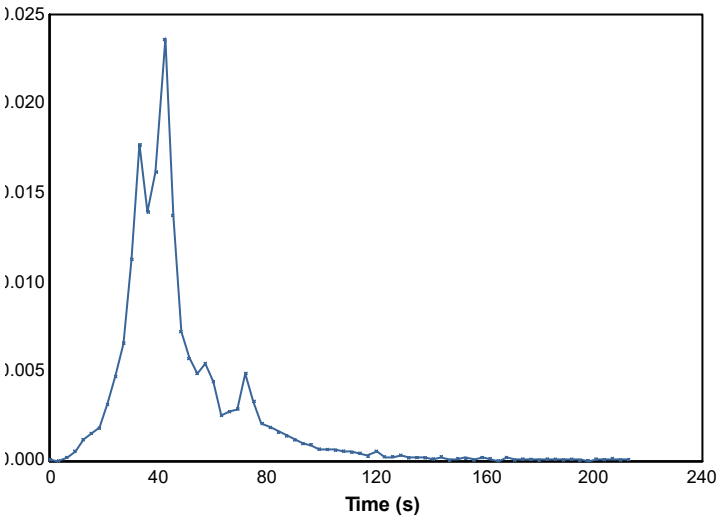
Heat release rate (kW/m²)



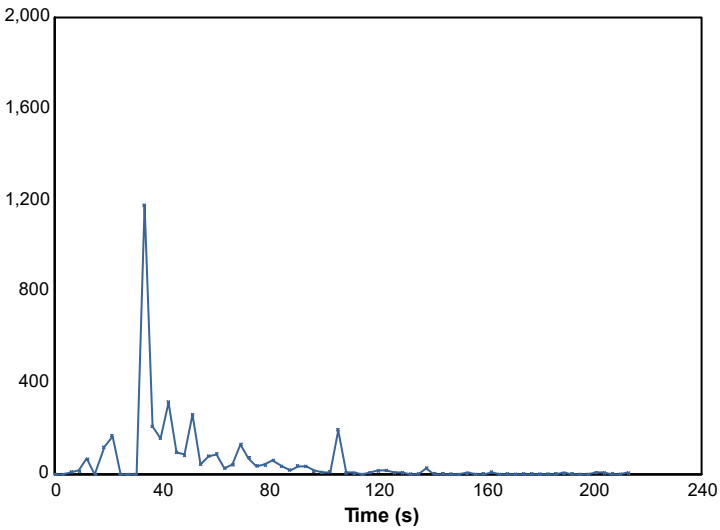
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



152766 52012

NATA

Accredited for compliance with ISO/IEC 17025 - Testing

AWTA LIMITED

Fiona McDonald
APPROVED SIGNATORY

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

AWTA PRODUCT TESTING

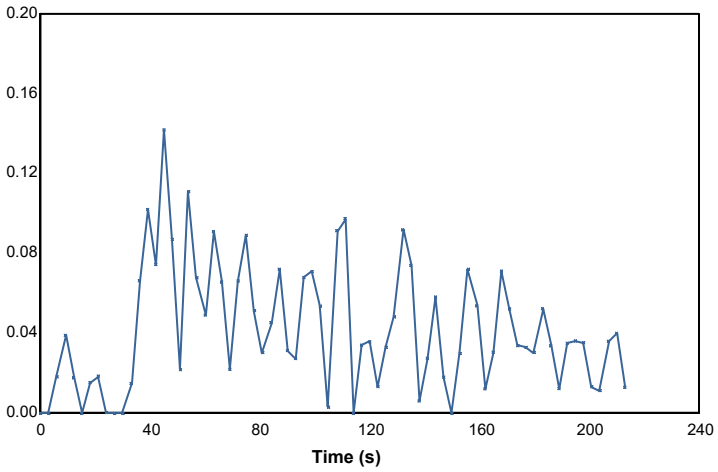
Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
A.B.N 43 006 014 106
1st Floor, 191 Racecourse Road, Flemington, Victoria 3031
P.O Box 240, North Melbourne, Victoria 3051
Phone (03) 9371 2400

TEST REPORT

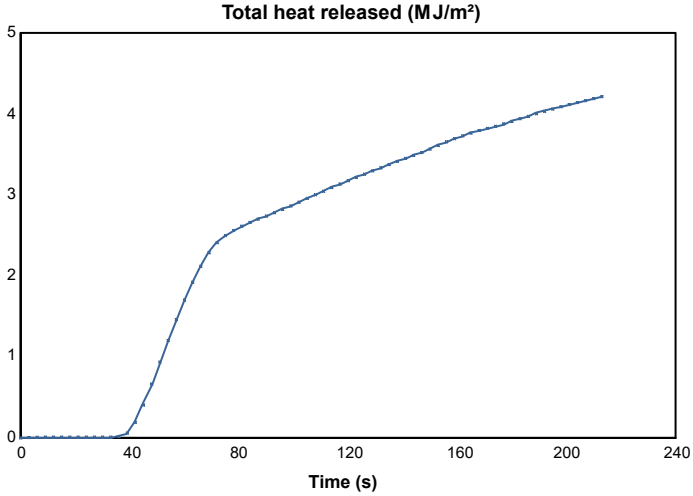
Client : Orafol Australia
8 Blanck Street
Ormeau QLD 4208

Test Number : 21-002732
Issue Date : 11/06/2021
Print Date : 15/06/2021

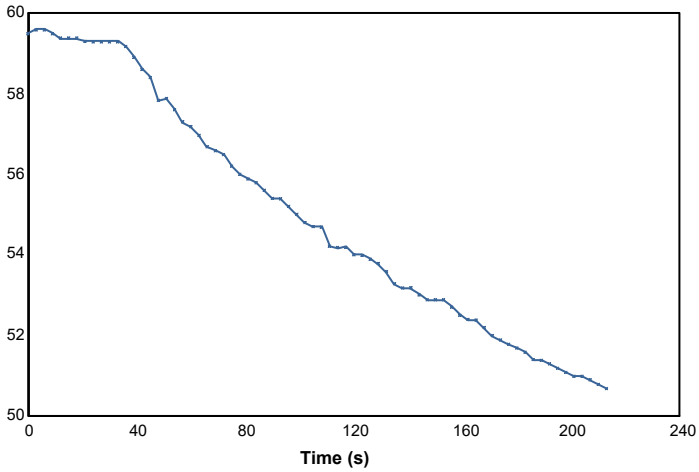
Mass loss rate (g/s)



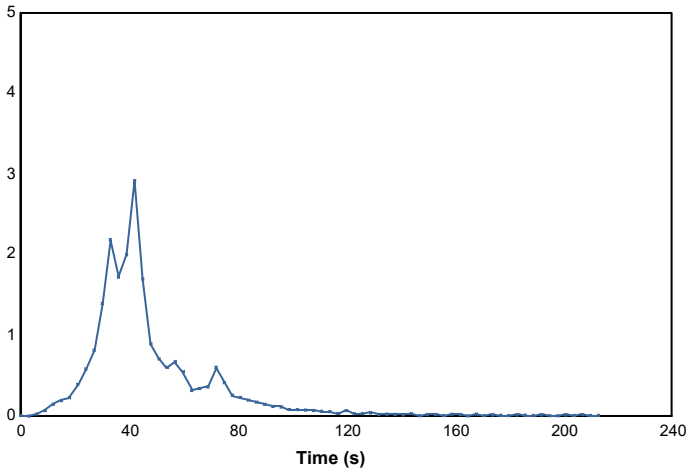
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s]/m²)



152766 52012

Accredited for compliance with ISO/IEC 17025 - Testing

Samples and their identifying descriptions have been provided by the client unless otherwise stated. AWTA Ltd makes no warranty, implied or otherwise, as to the source of the tested samples. The above test results relate only to the sample or samples tested. This document shall not be reproduced except in full and shall be rendered void if amended or altered. This document, the names AWTA Product Testing and AWTA Ltd may be used in advertising providing the content and format of the advertisement have been approved by the Managing Director of AWTA Ltd.

Fiona McDonald
APPROVED SIGNATORY

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

0204/11/06