

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 : Unique Fabrics
6 Mt Eden Road
Eden Terrace, Auckland New Zealand
New Zealand

Test Number : 19-004991
Issue Date : 11/09/2019
Print Date : 2/10/2019

Sample Description Clients Ref : "Arte Prisma Arctic Shades, Dunes, Micron , Neon, Sento Silkx"
Wallpaper Samples
Colour : Various
End Use : Wallcovering
Nominal Composition : PVC Acrylic Top Layer with Non-Woven Backing
Nominal Mass per Unit Area/Density : 339g/m²
Nominal Thickness : Approx: 1mm

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

Date Tested 11/09/2019
Operator AWTA Test Operator 7
Face Tested Face

	Specimen				
	1	2	3	Mean	
Average Heat Release Rate	33.4	34.8	33.5	33.9	kW/m ²
Average Specific extinction area	86.5	70.9	79.6	79.0	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	25	30	24	26	sec
Test duration	231	249	231	237	sec
Peak heat release after ignition	100.6	98.8	109.0	102.8	kW/m ²
Average heat at 60 s	72.8	75.6	76.7	75.0	kW/m ²

112656

38692

Page 1 of 8

© Australian Wool Testing Authority Ltd
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing
- Chemical Testing
- Mechanical Testing
985

: Accreditation No. 983
: Accreditation No.



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

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 : Unique Fabrics
6 Mt Eden Road
Eden Terrace, Auckland New Zealand
New Zealand

Test Number : 19-004991
Issue Date : 11/09/2019
Print Date : 2/10/2019

Average heat at 180 s	35.7	38.2	36.4	36.7	kW/m ²
Average heat at 300 s	n/a	n/a	n/a	n/a	kW/m ²
Total heat released	6.9	7.5	7.0	7.1	MJ/m ²
Average effective heat of combustion	5.4	5.8	5.5	5.5	MJ/kg
Initial thickness	11	11	11	11.0	mm
Initial mass	68.4	68.3	68.7	68.5	g
Mass at sustained flaming	68.0	67.7	68.3	68.0	g
Mass remaining	58.2	57.8	58.4	58.1	g
Mass percentage pyrolysed	15.0	15.3	14.9	15.1	%
Mass loss	1.3	1.3	1.3	1.3	kg/m ²
Average rate of mass loss	6.2	6.0	6.1	6.1	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.

Samples were adhered to a substrate of 10mm thick plasterboard using Professional Ultra Clear PRO 880 wallcovering adhesive 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.

112656

38692

Page 2 of 8

© Australian Wool Testing Authority Ltd
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing
- Chemical Testing
- Mechanical Testing
985

: Accreditation No. 983
: Accreditation No.

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



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

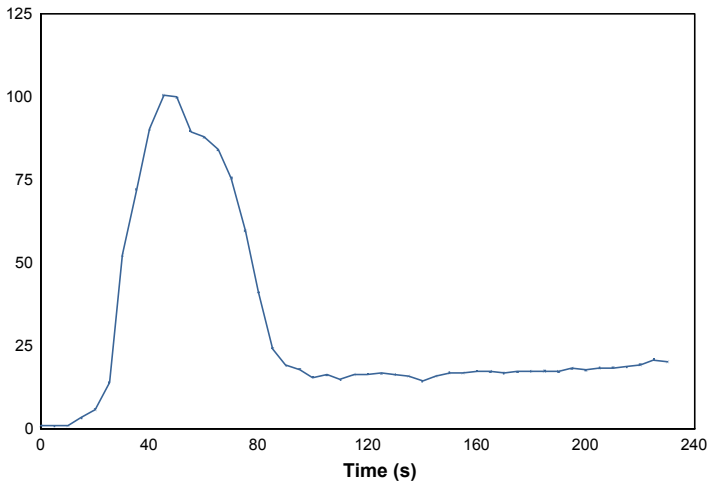
TEST REPORT

Client : Unique Fabrics
6 Mt Eden Road
Eden Terrace, Auckland New Zealand
New Zealand

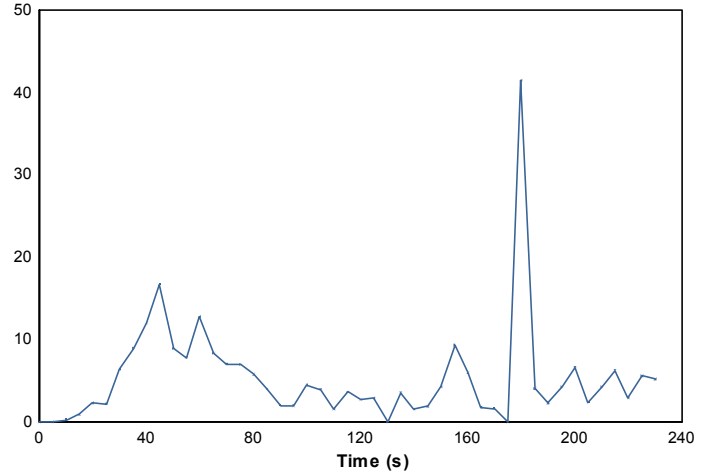
Test Number : 19-004991
Issue Date : 11/09/2019
Print Date : 2/10/2019

Specimen : 1

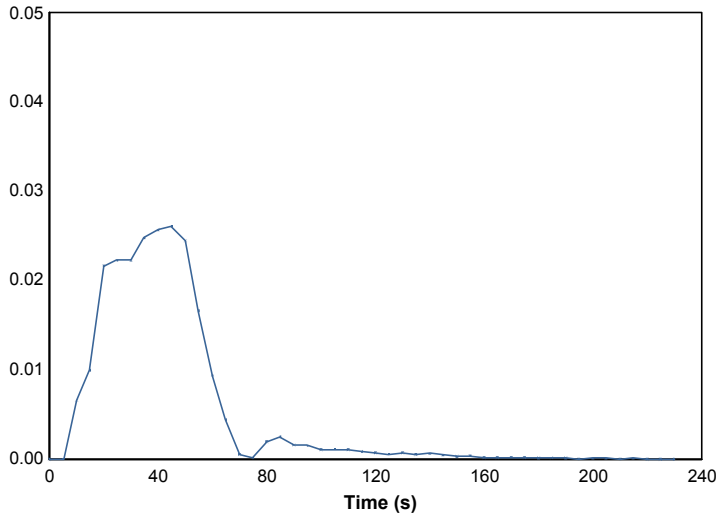
Heat release rate (kW/m²)



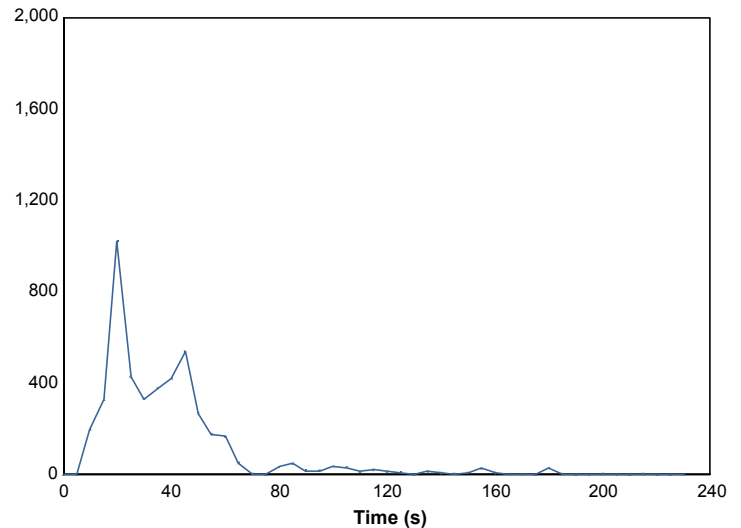
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



112656

38692

Page 3 of 8

© Australian Wool Testing Authority Ltd
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing
- Chemical Testing
- Mechanical Testing
985

: Accreditation No. 983
: Accreditation No.



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

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

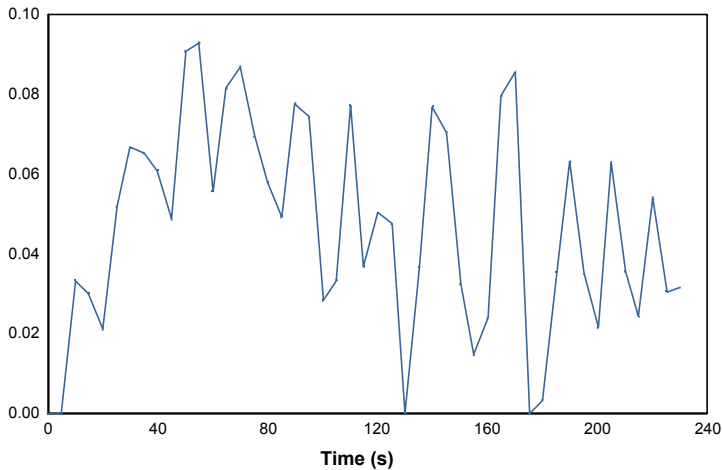
1st Floor, 191 Racecourse Road, Flemington, Victoria 3031
P.O Box 240, North Melbourne, Victoria 3051
Phone (03) 9371 2400 Fax (03) 9371 2499

TEST REPORT

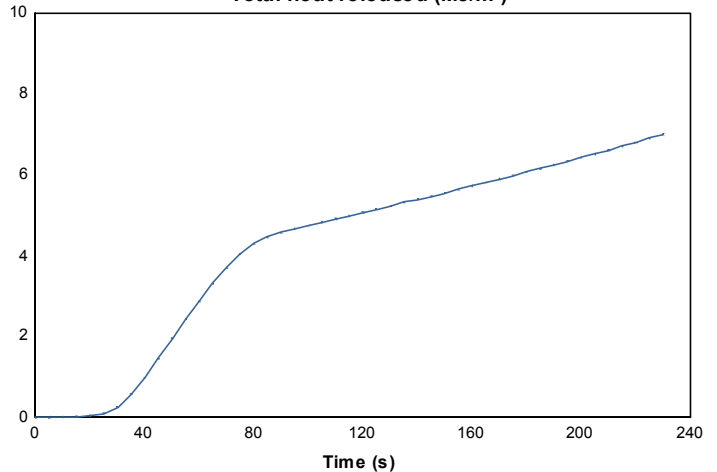
Client : Unique Fabrics
6 Mt Eden Road
Eden Terrace, Auckland New Zealand
New Zealand

Test Number : 19-004991
Issue Date : 11/09/2019
Print Date : 2/10/2019

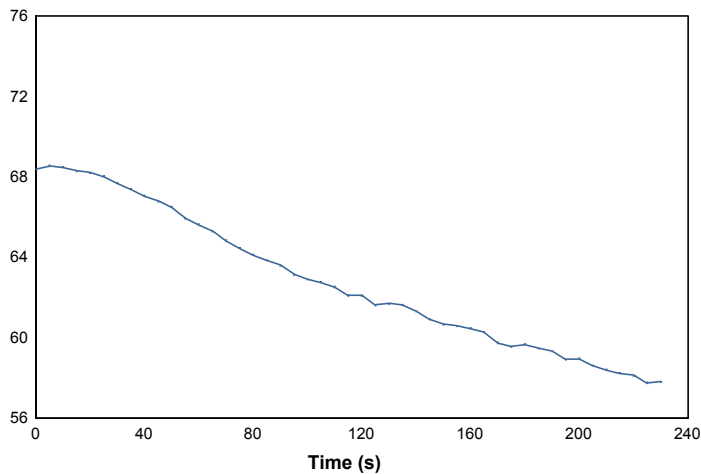
Mass loss rate (g/s)



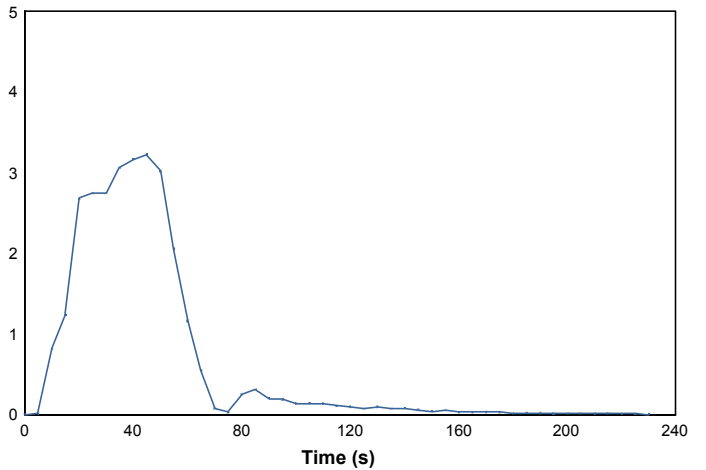
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s]/m²)



112656

38692

Page 4 of 8

© Australian Wool Testing Authority Ltd
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing
- Chemical Testing
- Mechanical Testing
985

: Accreditation No. 983
: Accreditation No.



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

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

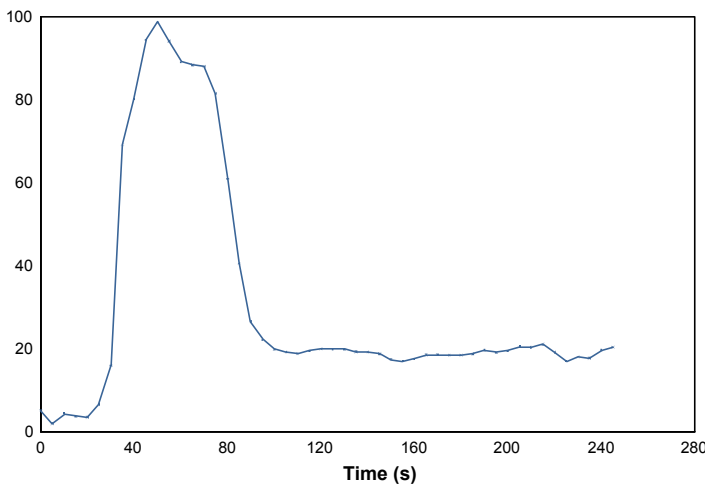
TEST REPORT

Client : Unique Fabrics
6 Mt Eden Road
Eden Terrace, Auckland New Zealand
New Zealand

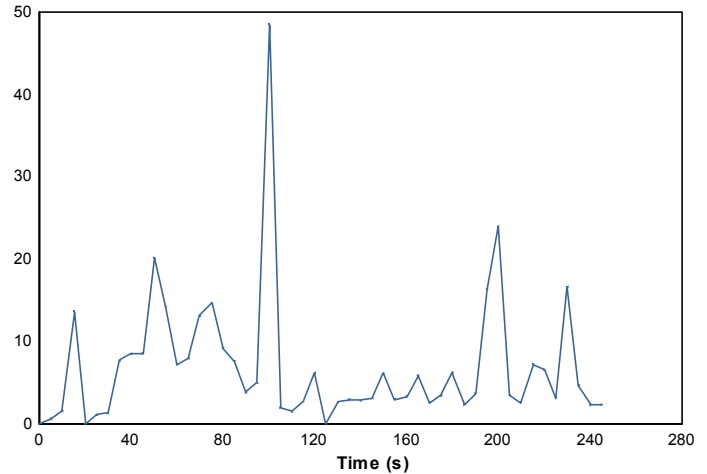
Test Number : 19-004991
Issue Date : 11/09/2019
Print Date : 2/10/2019

Specimen : 2

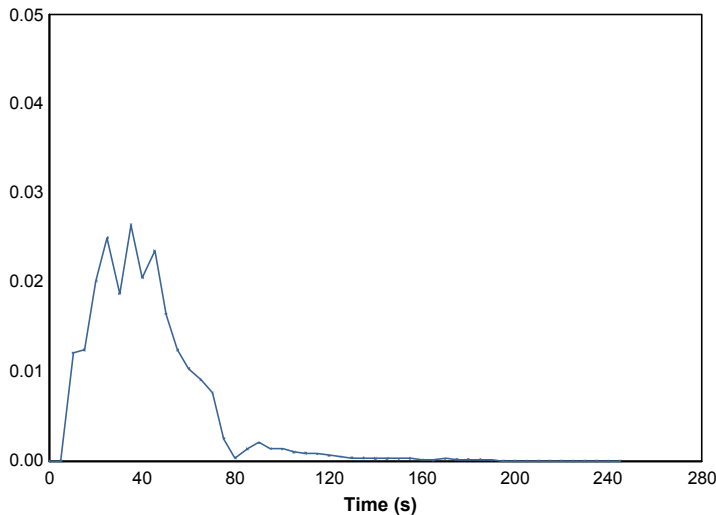
Heat release rate (kW/m²)



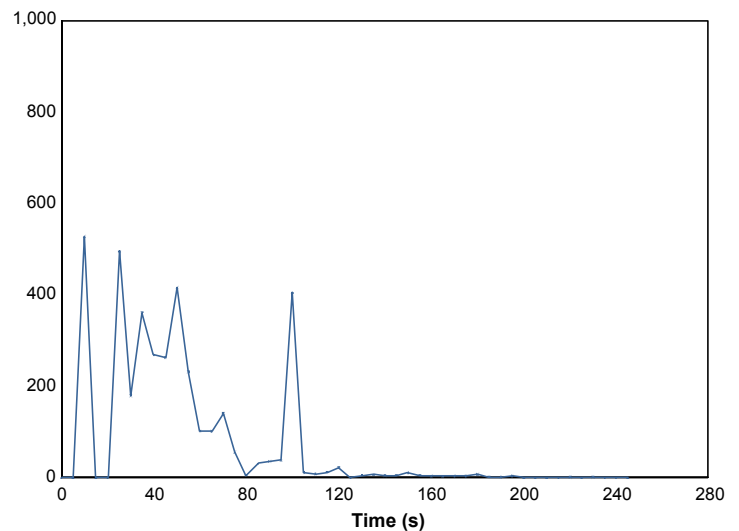
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



112656

38692

Page 5 of 8

© Australian Wool Testing Authority Ltd
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing
- Chemical Testing
- Mechanical Testing
985

: Accreditation No. 983
: Accreditation No.



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

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

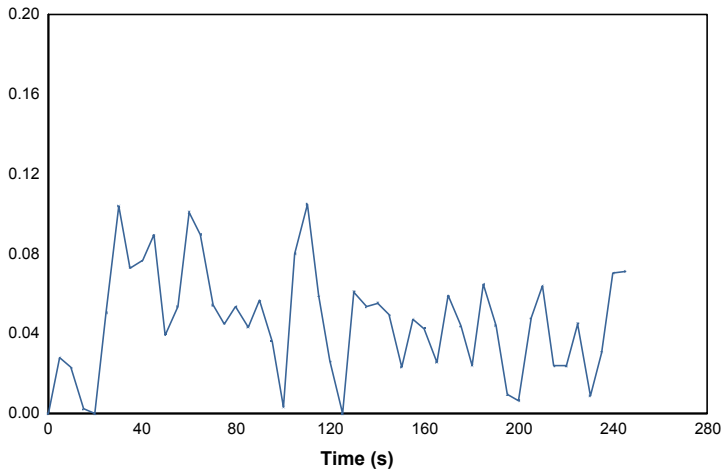
1st Floor, 191 Racecourse Road, Flemington, Victoria 3031
P.O Box 240, North Melbourne, Victoria 3051
Phone (03) 9371 2400 Fax (03) 9371 2499

TEST REPORT

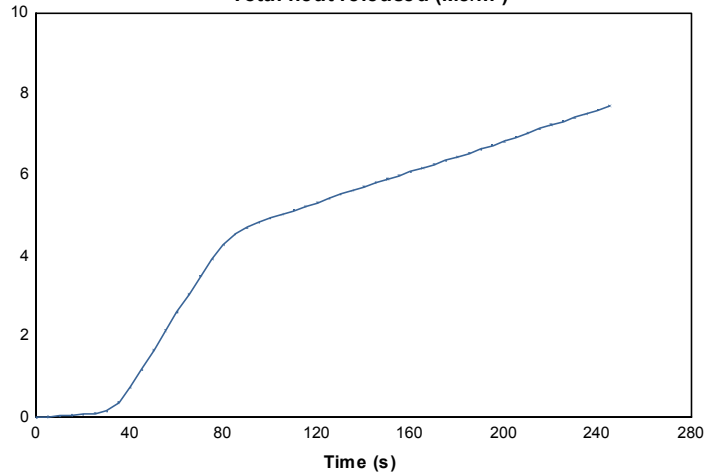
Client : Unique Fabrics
6 Mt Eden Road
Eden Terrace, Auckland New Zealand
New Zealand

Test Number : 19-004991
Issue Date : 11/09/2019
Print Date : 2/10/2019

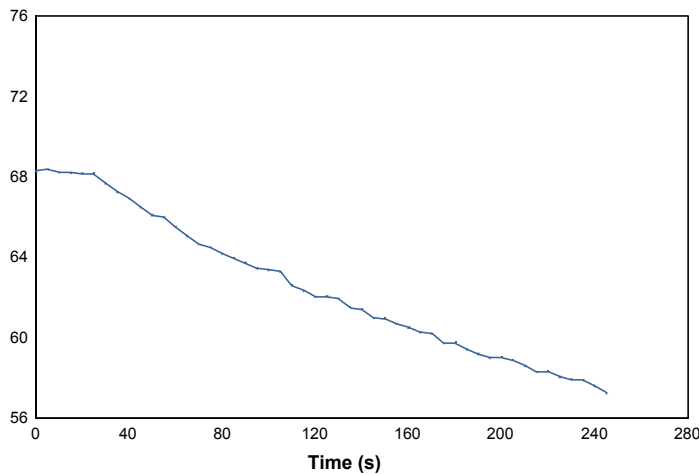
Mass loss rate (g/s)



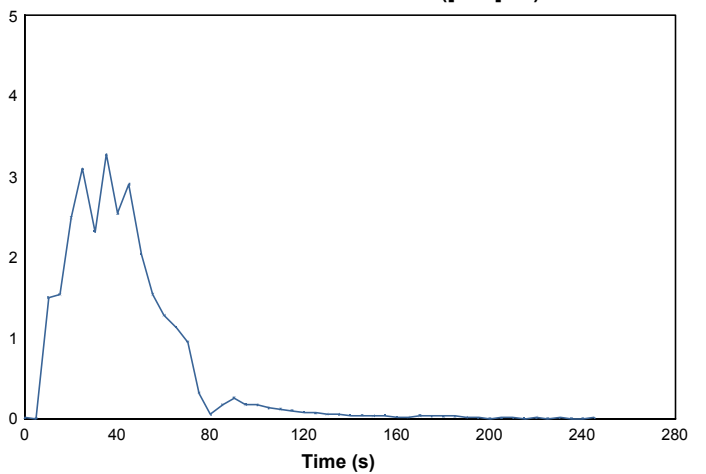
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s)/m²)



112656

38692

Page 6 of 8

© Australian Wool Testing Authority Ltd
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing
- Chemical Testing
- Mechanical Testing
985

: Accreditation No. 983
: Accreditation No.



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

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

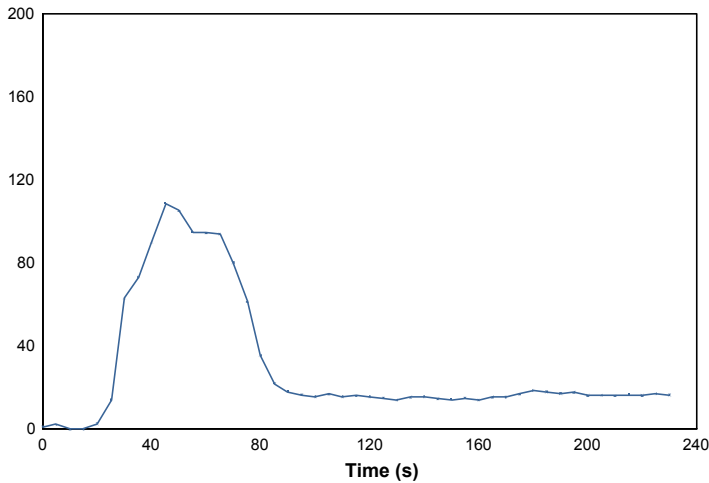
TEST REPORT

Client : Unique Fabrics
6 Mt Eden Road
Eden Terrace, Auckland New Zealand
New Zealand

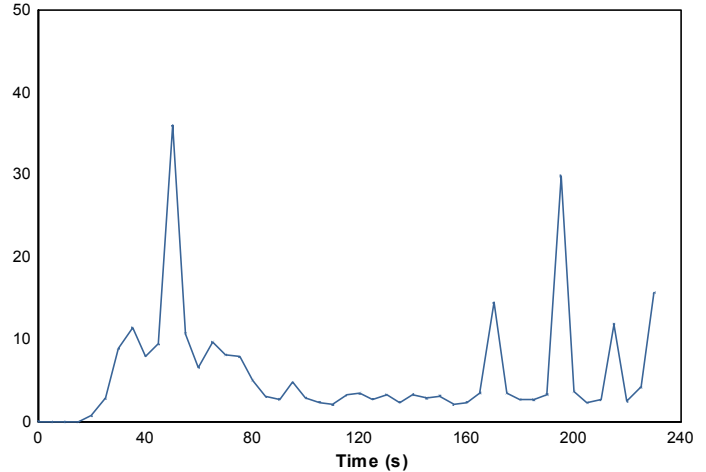
Test Number : 19-004991
Issue Date : 11/09/2019
Print Date : 2/10/2019

Specimen : 3

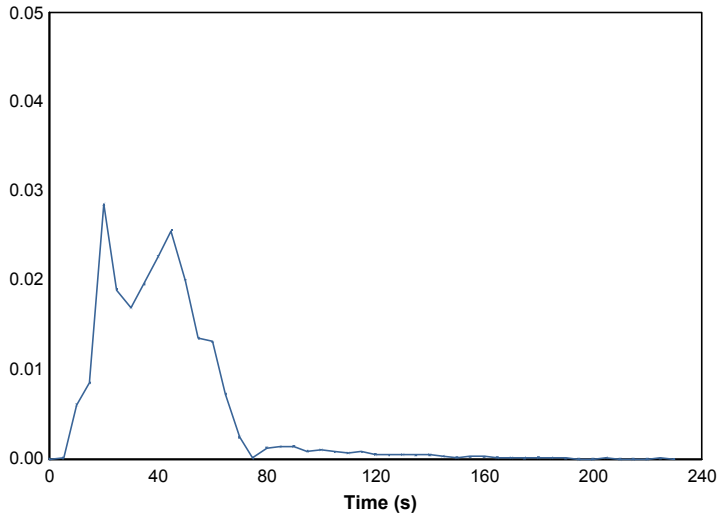
Heat release rate (kW/m²)



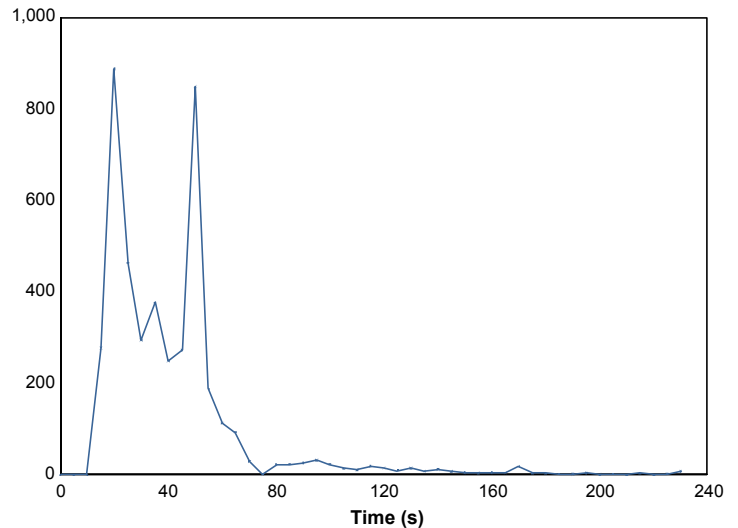
Effective heat of combustion (MJ/kg)



Smoke production rate ([m²/s])



Specific extinction area (m²/kg)



112656

38692

Page 7 of 8

© Australian Wool Testing Authority Ltd
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing
- Chemical Testing
- Mechanical Testing
985

: Accreditation No. 983
: Accreditation No.



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

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

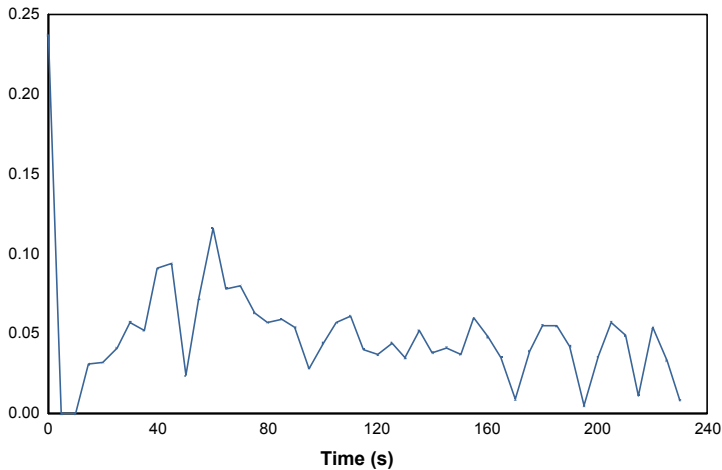
1st Floor, 191 Racecourse Road, Flemington, Victoria 3031
P.O Box 240, North Melbourne, Victoria 3051
Phone (03) 9371 2400 Fax (03) 9371 2499

TEST REPORT

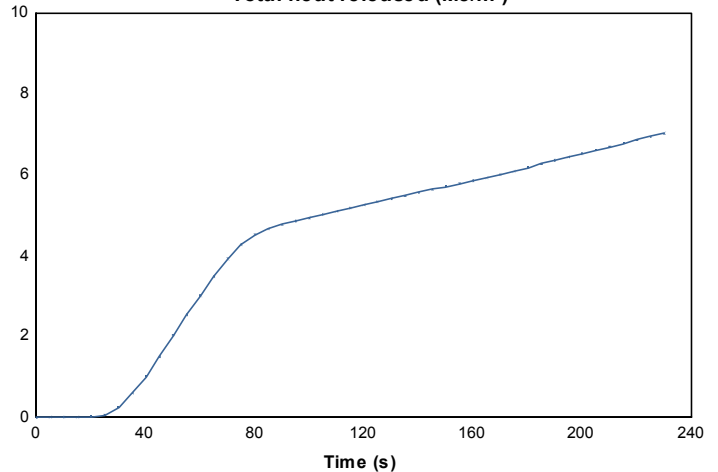
Client : Unique Fabrics
6 Mt Eden Road
Eden Terrace, Auckland New Zealand
New Zealand

Test Number : 19-004991
Issue Date : 11/09/2019
Print Date : 2/10/2019

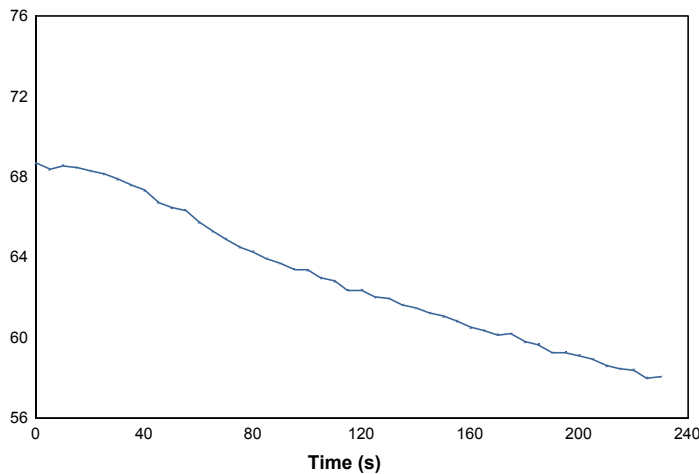
Mass loss rate (g/s)



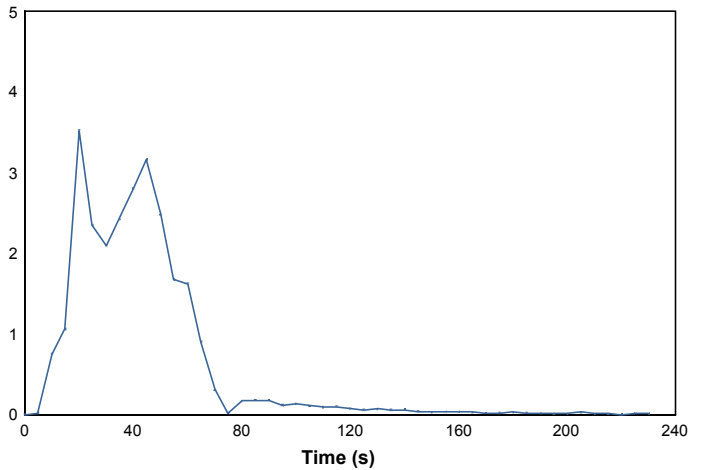
Total heat released (MJ/m²)



Mass (g)



Rate of smoke release ([m²/s]/m²)



112656

38692

Page 8 of 8

© Australian Wool Testing Authority Ltd
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing
- Chemical Testing
- Mechanical Testing
985

: Accreditation No. 983
: Accreditation No.



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

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

Group Number Assessment

(In accordance with AS 5637.1-2015)

This is to confirm that the product as described below has been tested by AWTA Product Testing .

Testing was performed in accordance with AS/NZS 3837-1998 Method of test for heat and smoke release rates for materials and products using an oxygen consumption calorimeter.

Test Sponsor : Unique Fabrics
6 Mt Eden Road
Eden Terrace, Auckland New Zealand
New Zealand

Test Number : 19-004991
Issue Date : 11/09/2019
Print Date : 2/10/2019

Sponsor Product Clients Ref : "Arte Prisma Arctic Shades, Dunes, Micron , Neon, Sento Silkx"
Wallpaper Samples
Colour : Various
End Use : Wallcovering
Nominal Composition : PVC Acrylic Top Layer with Non-Woven Backing
Nominal Mass per Unit Area/Density : 339g/m²
Nominal Thickness : Approx: 1mm

Product Group Number Classification : 1
Average Specific Extinction Area : 79.0 m²/kg



Fiona McDonald
Testing Technologist

38692

The message/document(s) contained in this electronic attachment is intended for the party to which it is addressed and may contain confidential information or be subject to professional privilege. It's transmission is not intended to place the contents into the public domain.

If you have received this transmission in error, it's disclosure or copying is prohibited . Please contact us by collect call so that arrangements can be made at our expense to rectify the error.