

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 : University of New South Wales FSI
Gate 2, High Street, GQ 13, E8
Science and Engineering Building
Kensington NSW 2052

Test Number : 19-006542
Issue Date : 12/11/2019
Print Date : 13/11/2019

Sample Description Cotton textile samples coated by UNSW-FSI "FSI-Textile (T11)" at 170mL/m2
Colour : Pattern
Nominal Composition : 100% Cotton
Nominal Mass per Unit Area/Density : 241g/m2
Nominal Thickness : 0.52mm

ISO 6941-2003

Measurement of Flame Spread Properties of Vertically Orientated Specimens

Date of Testing	12/11/2019	
Test Conditions	As Received	
Face Tested	Face	
Barometric Pressure	1005 hPa	
Temperature	22 °C	
Relative Humidity	33 %	
Ignition Time	10 sec	
Gas Used	Propane	
Orientation of Burner	Surface	
Mean Severance Time	Length	Width
to 1st Marker thread	FTI	FTI sec
to 2nd Marker thread	FTI	FTI sec
to 3rd Marker thread	FTI	FTI sec
Mean Flame Spread Time	Length	Width
1st Marker to 2nd Marker thread	FTI	FTI sec
2nd Marker to 3rd Marker thread	FTI	FTI sec
1st Marker to 3rd Marker thread	FTI	FTI sec

185328

40355

Page 1 of 2

© Australian Wool Testing Authority Ltd
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing

- Chemical Testing
- Mechanical Testing
- Performance & Approvals Testing

: Accreditation No. 983
: Accreditation No. 985
: Accreditation No. 1356

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.



0204/11/06

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 : University of New South Wales FSI
Gate 2, High Street, GQ 13, E8
Science and Engineering Building
Kensington NSW 2052

Test Number : 19-006542
Issue Date : 12/11/2019
Print Date : 13/11/2019

Observations :	Length	Width
Number of Specimens Failed to Burn to 1st Marker thread	3	3
Number of Specimens Failed to Burn to 2nd Marker thread	0	0
Number of Specimens Failed to Burn to 3rd Marker thread	0	0
Number of Specimens Tested	3	3
Flame application caused a hole to be burnt or melted on face of the specimen		No
Flame reaches vertical edge of specimen		No
Flaming debris fell below the bottom edge of the frame and continued to burn		No

185328

40355

Page 2 of 2

© Australian Wool Testing Authority Ltd
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing

- Chemical Testing
- Mechanical Testing
- Performance & Approvals Testing

: Accreditation No. 983
: Accreditation No. 985
: Accreditation No. 1356

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.



0204/11/06

APPROVED SIGNATORY

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