

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 : Knauf Insulation
Unit 2, 44 Borthwick Avenue
Murarrie QLD 4175

Test Number : 18-002246
Issue Date : 3/05/2018
Print Date : 11/05/2018

Sample Description Clients Ref : "Climafoam"
Rigid foam
Colour : Yellow
Nominal Composition : Expanded Polystyrene
Nominal Thickness : 50mm

ASTM C518-2017

Steady-State Thermal Transmission Properties by Means of the Heat Flow Apparatus

Test Date	02/05/2018	
Test Apparatus	Lasercomp Fox 600	
Sample Orientation	Horizontal	
Heat Flow Direction	Up	
Mean Test Temperature	23 °C	
Temperature Differential	20 °C	
Average Thermal Gradient	392.5 K/m	
Estimated uncertainty in results	3.9 %	
Specimen	1	2
Specimen Thickness (as received)	51	51 mm
Specimen Thickness (as tested)	51	51 mm
Specimen Density (as tested)	37	37 kg/m ³
Test Duration	01:36	01:12 hrs:mins
Measured Heat Flux	10.9	10.8 W/m ²
Measured Thermal Conductance	0.0544	0.0543
Measured Thermal Conductivity	0.0277	0.0277 W/m.K

128688

27307

Page 1 of 2

© Australian Wool testing Authority Ltd
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025

- 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.

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 : Knauf Insulation
Unit 2, 44 Borthwick Avenue
Murarrie QLD 4175

Test Number : 18-002246
Issue Date : 3/05/2018
Print Date : 11/05/2018

Thermal Resistance 1.8 1.8 m²K/W

The calibration of the Heat Flow Apparatus was checked immediately prior to the commencement of the test.

Sample was turned at 90 degrees for second specimen result.

128688

27307

Page 2 of 2

© Australian Wool testing Authority Ltd
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025
- 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.

APPROVED SIGNATORY

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