

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 : Polystyrene Solutions
40 Commercial Drive
Ashmore QLD 4214

Test Number : 19-002130
Issue Date : 24/05/2019
Print Date : 24/05/2019

Sample Description Clients Ref : "EPS-SLR"
Rigid cellular polystyrene foam
Colour : White
Nominal Composition : Expanded Polystyrene
Nominal Mass per Unit Area/Density : 13.5kg/m3

ASTM C518-2017

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

Date of Testing	18/04/2019
Test Date	22/05/2019
Test Apparatus	Lasercomp Fox 600
Sample Orientation	Horizontal
Heat Flow Direction	Up
Mean Test Temperature	23 °C
Temperature Differential	20 °C
Average Thermal Gradient	199.9 K/m
Estimated uncertainty in results	3.9 %

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Accredited for compliance with ISO/IEC 17025 - Testing
- Chemical Testing
- Mechanical Testing
- Performance & Approvals Testing

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

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Specimen	1	2
Specimen Thickness (as received)	100	100 mm
Specimen Thickness (as tested)	100	100 mm
Specimen Density (as tested)	13	13 kg/m ³
Test Duration	01:12	01:18 hrs:mins
Measured Heat Flux	7.6	7.6 W/m ²
Measured Thermal Conductance	0.0382	0.0382 W/m ² K
Measured Thermal Conductivity	0.0382	0.0382 W/m.K
Thermal Resistance	2.6	2.6 m ² KW

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

Test specimens preconditioned for 672 hours at 70degC in accordance with AS 1366.3-1992 prior to testing

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APPROVED SIGNATORY

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