

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 : Cavalier Bremworth
7 Grayson Avenue
Papatoetoe
Auckland New Zealand

Test Number : 19-002070
Issue Date : 23/04/2019
Print Date : 23/04/2019

Sample Description Clients Ref : "Tussore 3020"
Loop pile carpet
Colour : Light Brown

ASTM C518-2017

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

Date of Testing		18/04/2019
Test Date		18/04/2019
Test Apparatus		Lasercomp Fox 600
Sample Orientation		Horizontal
Heat Flow Direction		Up
Mean Test Temperature		23 °C
Temperature Differential		20 °C
Average Thermal Gradient		391.3 K/m
Estimated uncertainty in results		3.9 %
Specimen	1	2
Specimen Thickness (as received)	10	10 mm
Specimen Thickness (as tested)	51	51 mm
Specimen Density (as tested)	308	310 kg/m ³
Test Duration	02:30	02:24 hrs:mins
Measured Heat Flux	27.1	26.8 W/m ²
Measured Thermal Conductance	0.1355	0.1340 W/m ² K
Measured Thermal Conductivity	0.0695	0.0683 W/m.K
Thermal Resistance	0.74	0.75 m ² K/W

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

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Thermal Resistance (1 layer) 0.15 0.15 m²K/W

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

Specimens tested as 5 layers of carpet positioned face to back then turned 90 degrees for the second result.

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0204/11/06

[Signature]

APPROVED SIGNATORY

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