

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 : 19-006566
Issue Date : 6/12/2019
Print Date : 6/12/2019

Sample Description Clients Ref : "Transpire 3033"
Tufted loop pile carpet
End Use : Floorcovering

ASTM C518-2017

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

Date of Testing		05/12/2019
Test Date		05/12/2019
Test Apparatus		Lasercomp Fox 600
Sample Orientation		Horizontal
Heat Flow Direction		Up
Mean Test Temperature		23 °C
Temperature Differential		20 °C
Average Thermal Gradient		334.2 K/m
Estimated uncertainty in results		3.9 %
Specimen	1	2
Specimen Thickness (as received)	12	12 mm
Specimen Thickness (as tested)	60	60 mm
Specimen Density (as tested)	52	53 kg/m ³
Test Duration	03:11	02:41 hrs:mins
Measured Heat Flux	21.7	21.5 W/m ²
Measured Thermal Conductance	0.1085	0.1077 W/m ² K
Measured Thermal Conductivity	0.0653	0.0641 W/m.K
Thermal Resistance	0.92	0.93 m ² K/W
Thermal Resistance (1 layer)	0.18	0.19 m ² K/W

188081

40379

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
985

: Accreditation No.
: Accreditation No.

983

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

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 : Cavalier Bremworth
7 Grayson Avenue
Papatoetoe
Auckland New Zealand

Test Number : 19-006566
Issue Date : 6/12/2019
Print Date : 6/12/2019

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

Specimens were tested in a stack of 5 (610 x 610mm size) samples placed face to back.

188081

40379

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
985

: Accreditation No.
: Accreditation No.

983

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



APPROVED SIGNATORY

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

0204/11/06