

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

TEST REPORT

Client : Cavalier Bremworth
7 Grayson Avenue
Papatoetoe
Auckland New Zealand

Test Number : 20-005960
Issue Date : 26/11/2020
Print Date : 26/11/2020

Sample Description Clients Ref : "Galet 3030"
Loop pile carpet
Colour : Fawn

ASTM C518-2017

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

Test Date	25/11/2020	
Test Apparatus	Lasercomp Fox 314	
Sample Orientation	Horizontal	
Heat Flow Direction	Up	
Mean Test Temperature	23 °C	
Temperature Differential	20 °C	
Average Thermal Gradient	286.4 K/m	
Estimated uncertainty in results	3.1 %	
Specimen	1	2
Specimen Thickness (as received)	14	14 mm
Specimen Thickness (as tested)	71	68 mm
Specimen Density (as tested)	235	248 kg/m ³
Test Duration	01:47	01:30 hrs:mins
Measured Heat Flux	17.7	18.7 W/m ²
Measured Thermal Conductance	0.0882	0.0934 W/m ² K
Measured Thermal Conductivity	0.0628	0.0639 W/m.K
Thermal Resistance	1.1	1.1 m ² K/W
Thermal Resistance (1 layer)	0.23	0.21 m ² K/W

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0204/11/06

APPROVED SIGNATORY

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

AWTA PRODUCT TESTING

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

Specimens were tested as 2 separate stacks of 5 layers of carpet placed face to back.

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A blue ink signature of the approved signatory.

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

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