

# AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing  
A.B.N 43 006 014 106

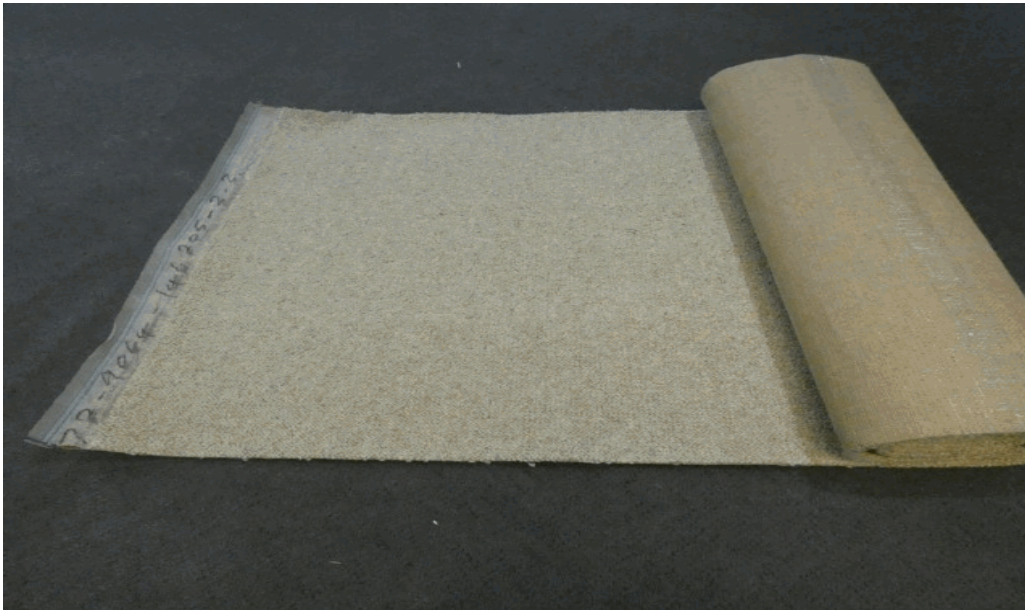
1st Floor, 191 Racecourse Road, Flemington, Victoria 3031  
P.O Box 240, North Melbourne, Victoria 3051  
Phone (03) 9371 2400

## TEST REPORT

**Client :** Bremworth  
7 Grayson Avenue  
Papatoetoe  
Auckland 2104 New Zealand

**Test Number :** 22-000365  
**Issue Date :** 17/03/2022  
**Print Date :** 17/03/2022

**Sample Description** Clients Ref : "Aviemore 9064"  
Loop pile carpet  
Colour : Beige



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56595

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Accredited for compliance with ISO/IEC 17025 - Testing

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Fiona McDonald  
APPROVED SIGNATORY

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

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### ASTM C518-2017

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

Test Date		16-03-2022
Test Apparatus		Lasercomp Fox 314
Sample Orientation		Horizontal
Heat Flow Direction		Up
Mean Test Temperature		23 °C
Temperature Differential		20 °C
Average Thermal Gradient		447.7 K/m
Estimated uncertainty in results		3.1 %
Specimen	1	2
Specimen Thickness (as received)	8.9	9.0 mm
Specimen Thickness (as tested)	44	45 mm
Specimen Density (as tested)	231	230 kg/m <sup>3</sup>
Test Duration	01:21	01:39 hrs:mins
Measured Heat Flux	25.8	25.1 W/m <sup>2</sup>
Measured Thermal Conductance	1.2880	1.2539 W/m <sup>2</sup> K
Measured Thermal Conductivity	0.0573	0.0563 W/m.K
Thermal Resistance	0.78	0.80 m <sup>2</sup> K/W
Thermal Resistance (1 layer)	0.16	0.16 m <sup>2</sup> K/W

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

Specimens were tested as a stack of 5 layers placed face to back

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