

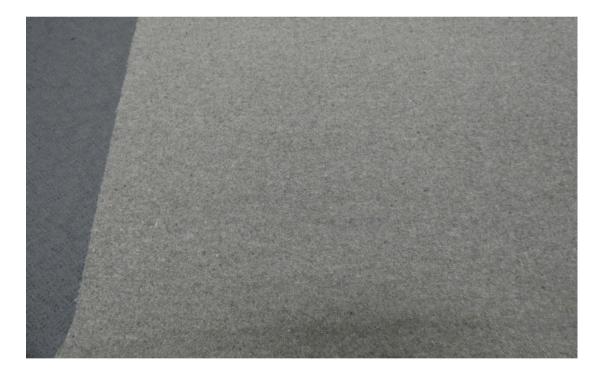
Australian Wool Testing Authority Ltd - trading as AWTA Product Testing A.B.N 43 006 014 106

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

Sample Description	Clients Ref :	"Product &	506 Wainamu"	
	Loop pile carpet			
	Colour : Bro	wn		
	End Use : Floo	oring		
	Nominal Compos	sition :	100% Wool	
	Nominal Mass pe	er Unit Are	a/Density :	984g/m2
	Nominal Thickne	SS :	8mm	



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Dald

Fiona McDonald APPROVED SIGNATORY





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22-004159

10/11/2022

10/11/2022

Test Number : Issue Date

Print Date

:

:

AEL A. JACKSON B.Sc.(Hons) MI MANAGING DIRECTOR



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TEST REPORT

Client :	Client : Bremworth		:	22-004159
	7 Grayson Avenue	Issue Date	:	10/11/2022
	Papatoetoe	Print Date	:	10/11/2022
	Auckland 2104 New Zealand			

ASTM C518-2021

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

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Test Date		09-11-2022	
Test Apparatus		Lasercomp Fox 314	
Sample Orientation		Horizontal	
Heat Flow Direction		Up	
Mean Test Temperature		23	°C
Temperature Differential		20	°C
Average Thermal Gradient		452.0	K/m
Estimated uncertainty in results		3.1	%
Specimen	1	2	
Specimen Thickness	8.9	8.8	mm
(as received)			
Specimen Thickness	44	44	mm
(as tested) Specimen Density	256	258	kg/m³
(as tested)	230	200	Kg/III
Test Duration	01:17	01:00	hrs:mins
Measured Heat Flux	26.9	27.0	W/m²
Measured Thermal Conductance	1.3470	1.3501	W/m²K
Measured Thermal Conductivity	0.0597	0.0597	W/m.K
Thermal Resistance	0.74	0.74	m²K/W
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 were tested as a stack of 5 layers placed face to back

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MICHAEL A. JACKSON B.Sc.(Hons)