

# AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing

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## TEST REPORT

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

**Test Number :** 17-003614  
**Issue Date :** 21/07/2017  
**Print Date :** 21/07/2017

**Sample Description** Clients Ref : "Product 736 Samura"  
Loop pile tufted carpet

### ASTM C518-2010

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

Test Date		20/07/2017
Test Apparatus		Lasercomp Fox 600
Sample Orientation		Horizontal
Mean Test Temperature		23 °C
Temperature Differential		20 °
Estimated uncertainty in results		3.9 %
Specimen	1	2
Specimen Thickness (as received)	12	12 mm
Specimen Thickness (as tested)	62	62 mm
Specimen Density (as tested)	279	279 kg/m <sup>3</sup>
Test Duration	04:30	02:06 hrs:mins
Measured Heat Flux	21.2	20.9 W/m <sup>2</sup>
Measured Thermal Conductivity	0.0658	0.0648 W/m.K
Thermal Resistance	0.94	0.96 m <sup>2</sup> K/W
Thermal Resistance (1 layer)	0.19	0.19 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 in 5 layers placed face to back

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