WTA Product Testing

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

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TEST REPORT

New Zealand Wool Testing Authority Ltd Client:

PO Box 12065

Ahuriri Napier 4144

New Zealand

15-002400 Test Number :

Issue Date 29/05/2015

Print Date 29/05/2015

Clients Ref: "Ref: 1094811.5" **Sample Description**

Origin

Colour: Grey

Nominal Composition: 100% Wool

Nominal Mass per Unit Area/Density: 657g/lineal metre

Nominal Thickness: 1.65mm

ISO 5660.1-2002 Reaction to Fire Tests - Heat Release Smoke Production and Mass Loss Rate Part 1: Heat

Release Rate (Cone Calorimeter Method)

Specimen

2 3 Mean 1 7.4 7.6 9.1 6.3 kW/m²

2S Group Number Classification 28 28

(In Accordance with New Zealand Building Code Verification Method C/VM2 Appendix A)

12.6 31.7 Average Specific extinction area 31.4 25.2 m²/kg

(According to ISO 5660.2-2002)

Specimen

Test orientation: Horizontal

Average Heat Release Rate

| | opeoer | | | | |
|---------------------------|--------|------|------|------|-------|
| | 1 | 2 | 3 | Mean | |
| Irradiance | 50 | 50 | 50 | 50 | kW/m² |
| Exhaust flow rate | 24 | 24 | 24 | 24 | L/sec |
| Time to sustained flaming | 14 | 15 | 13 | 14 | sec |
| Test duration | 1814 | 1815 | 1813 | 1814 | sec |

15,439 5,072 Page 1 of 8

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This Laboratory is accredited by the National Association of Testing Authorities, Australia, for : Chemical Testing of Textiles & Related Products

- Heat & Temperature Measurement

- Mechanical Testing of Textiles & Related Products

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APPROVED SIGNATORY

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