

# 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 Fax (03) 9371 2499

## TEST REPORT

**Client :** National Flooring Distributors  
13 Dulwich Street  
Loganholme QLD 4129

**Test Number :** 18-006570  
**Issue Date :** 21/11/2018  
**Print Date :** 11/04/2019

### Replacement of Initial Report dated :21/11/2018

**Sample Description** Clients Ref : "Arizona"  
Loop Pile carpet tile  
Colour : Charcoal/ Grey  
Nominal Composition : Polypropylene  
Nominal Mass per Unit Area/Density : 16 oz/lyd2

#### AS/NZS 2111.4-1996

#### Surface Pile Mass at Standard Conditions

Date of Testing	13/11/2018
Corrected Surface Pile Mass, mean	334 g/m <sup>2</sup>
Standard Allowance	2.00 %
Specimen	
1	309 g/m <sup>2</sup>
2	303 g/m <sup>2</sup>
3	355 g/m <sup>2</sup>
4	348 g/m <sup>2</sup>
Mean	329 g/m <sup>2</sup>
Coefficient of Variation	8.1 %
Moisture Regain of Pile	0.4 %

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- Chemical Testing  
- Mechanical Testing  
- Performance & Approvals Testing

: Accreditation No. 983  
: Accreditation No. 985  
: Accreditation No. 1356

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APPROVED SIGNATORY

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

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Modified: Corrected for moisture regain only.

Apparatus: Band knife

Due to variation within the specimens tested the coefficient of variation reported is greater than the standard specifies.

Based on nominal pile fibre content.

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#### AS 2001.3.4-1995

##### Test A

#### Determination of Extractable Matter

Date of Testing 16/11/2018  
Mean 2.2 %  
Solvent Methanol

#### AS/NZS 2111.9-1996

#### Determination of Number of Tufts per unit Length

Date of Testing 13/11/2018  
S (Parallel to Selvage) (Stitches) 42.8 / 100mm  
G (Right Angles to Selvage) (Gauge) 47.6 / 100mm

#### AS/NZS 2111.5-1996

#### Determination of Pile Thickness above the backing - ACCS Modified

Date of Testing 13/11/2018

	1	2	3	4	Mean
Total Thickness	6.0	5.9	5.2	5.5	5.7 mm
Backing Thickness	2.8	2.8	2.4	2.5	2.6 mm
Pile Thickness	3.2	3.1	2.8	3.0	3.0 mm

Template used to facilitate thickness measurement.

The result is an estimate due to the interface between the backing components and the pile not being clearly defined.

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### Replacement of Initial Report dated :21/11/2018

TWC 251/247/284-2009

#### Texture and Colour Change - Hexapod Tumbler Tester

Date of Testing			13/11/2018
After 1500 cycles	Texture		Colour
Mean Grade	4.0		4.5
Mean Worst Angle	4.0		4.5
Pile Thickness Loss			1.0 mm
Pile Thickness Loss			34.3 %
After 8000 cycles	Texture		Colour
Mean Grade	2.0		4.0
Mean Worst Angle	2.0		4.0
Pile Thickness Loss			1.8 mm
Pile Thickness Loss			59.1 %
Total Carpet Thickness			6.0 mm
Total Pile Thickness			3.0 mm
International Reference Scale			E

Vacuum cleaned with upright cleaner at commencement of test, after 1500 cycles and where applicable every 2000 cycles. Thickness measurements taken after vacuuming.

Rating scale: 1 = Very severe change 5 = No change

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**AS 2404-1980  
(ACCS Modified)**

**Fire Propagation Properties (AS 2111.18 Pill Test)**

Date of Testing

14/11/2018

Pass

Samples were conditioned in standard atmosphere of  $20\pm 2^{\circ}\text{C}$  and  $65\pm 2\%$  relative humidity prior to testing.

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