

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 : 18-006544
Issue Date : 20/11/2018
Print Date : 16/04/2019

Sample Description Clients Ref : "Helius"
Cut Pile Carpet
Colour : Grey/White
Nominal Composition : Olefin
Nominal Mass per Unit Area/Density : 880 g/m2

AS/NZS 2111.4-1996

Surface Pile Mass at Standard Conditions

Date of Testing	15/11/2018
Corrected Surface Pile Mass, mean	655 g/m ²
Standard Allowance	2.00 %
Specimen	
1	638 g/m ²
2	638 g/m ²
3	681 g/m ²
4	628 g/m ²
Mean	646 g/m ²
Coefficient of Variation	3.7 %
Moisture Regain of Pile	0.6 %

Modified: Corrected for moisture regain only.

Based on nominal pile fibre content.

Apparatus: Band knife

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Page 1 of 4

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Accredited for compliance with ISO/IEC 17025 - Testing
- Chemical Testing
- Mechanical Testing
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MICHAEL A. JACKSON B.Sc. (Hons)
MANAGING DIRECTOR

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AS 2001.3.4-1995 Test A

Determination of Extractable Matter

Date of Testing 15/11/2018
Mean 1.1 %
Solvent Methanol

AS/NZS 2111.9-1996

Determination of Number of Tufts per unit Length

Date of Testing 15/11/2018
S (Parallel to Selvage) (Stitches) 38.6 / 100mm
G (Right Angles to Selvage) (Gauge) 31.7 / 100mm

AS/NZS 2111.5-1996

Determination of Pile Thickness above the backing - ACCS Modified

Date of Testing 15/11/2018

	1	2	3	4	Mean
Total Thickness	5.8	5.7	6.0	5.7	5.8 mm
Backing Thickness	2.1	2.1	2.1	2.3	2.1 mm
Pile Thickness	3.7	3.7	3.9	3.4	3.7 mm

Template used to facilitate thickness measurement.

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Page 2 of 4



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TWC 251/247/284-2009

Texture and Colour Change - Hexapod Tumbler Tester

Date of Testing		15/11/2018
After 1500 cycles	Texture	Colour
Mean Grade	4.0	4.0
Mean Worst Angle	4.0	4.0
Pile Thickness Loss		0.2 mm
Pile Thickness Loss		6.0 %
After 8000 cycles	Texture	Colour
Mean Grade	1.5	3.5
Mean Worst Angle	1.5	3.0
Pile Thickness Loss		1.2 mm
Pile Thickness Loss		33.4 %
Total Carpet Thickness		6.0 mm
Total Pile Thickness		3.7 mm
International Reference Scale		B

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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Page 3 of 4

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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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Page 4 of 4

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