

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

TEST REPORT

Client : Interface Australia Pty Ltd
34 Airds Road
Minto NSW 2566

Test Number : 21-003494
Issue Date : 29/07/2021
Print Date : 15/09/2021
Order Number : PO 139397

Sample Description Clients Ref : "Flash Line" 100% Solution Dyed Nylon 6
Loop pile carpet - 465g/m2 on a C.Quest Bio X Backing

Test Method Carpet Institute of Australian Environmental Certification Scheme incorporating ISO
10580: "Resilient, Textile and Laminate Floor Coverings: Evaluation of Volatile Organic
Compound Emissions"

Carpet Institute of Australia Environmental Certification Scheme Spec.	Emission Factor Criterion (24 Hour) $\mu\text{g}/\text{m}^2\cdot\text{h}$	Emission Factor Test Result (24 Hour) $\mu\text{g}/\text{m}^2\cdot\text{h}$
Formaldehyde	<10	<1.3
Acetaldehyde	<20	4.4
Vinyl Acetate	<400	<1.0
Benzene	<55	<0.5
Toluene	<280	5.2
4-Vinyl cyclohexene	<85	<0.3
Xylenes	<50	<0.3
Styrene	<410	<0.3
1-Methyl-2-Pyrrolidone	<300	<50.0
2-Ethyl-1-hexanol	<50	14.5
Octanal	<24	<1.0
Nonanal	<24	<1.0
2-ethylhexanoic	<46	<25.0
Napthalene	<20	<0.50
Caprolactam	<120	158.6
4-Phenylcyclohexene	<50	<0.3
Hydrocarbons (C10-C14)	<300	209.0
Total Volatile Organic Compound	<500	290.7

Test specimen size

80x250, 2 pieces mm

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Fiona McDonald
APPROVED SIGNATORY

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

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Test time	24 Hrs
Test temperature	23 °C
Test humidity	50 %
Loading factor	0.4 m ² /m ³
Air exchange	1 /h

Seal and test Sealed with aluminium foil, and the back side of test specimen was placed on an inert glass plate to determine the emission of upper surface

Date of Testing 29/07/2021

Remarks:

1. Formaldehyd and acetaldehyde were detected using HPLC method with ultraviolet detector, whereas other VOC's substances were detected by Gas chromatography/Mass spectrometry method.
2. In this Gas chromatography/Mass spectrometry method, the scan mode of SIM was employed for caprolactum detection, and TIC for others.

Tested by AWTA-JSIC JinAo Testing Co Limited - China.

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