

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 : 22-000501
Issue Date : 9/03/2022
Print Date : 9/03/2022
Order Number : 154462

Sample Description Clients Ref : "HN810" 100% Solution Dyed Nylon 6, 1150g/m² on a C. Quest Bio 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) µg/m ² .h	Emission Factor Test Result (24 Hour) µg/m ² .h
Formaldehyde	<10	5.0
Acetaldehyde	<20	11.1
Vinyl Acetate	<400	<1.0
Benzene	<55	<0.5
Toluene	<280	1.5
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	<2.0
Octanal	<24	<1.0
Nonanal	<24	<1.0
2-ethylhexanoic	<46	<20.0
Napthalene	<20	<0.50
Caprolactam	<120	<25.0
4-Phenylcyclohexene	<50	<0.3
Hydrocarbons (C10-C14)	<300	11.8
Total Volatile Organic Compound	<500	19.1

Test specimen size

800x250, 2 pieces mm

Test time

24 Hrs

263178

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Fiona McDonald
APPROVED SIGNATORY

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

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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 09/03/2022

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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