

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 : Quest Flooring Pty Ltd
43-55 Mark Anthony Drive
Dandenong South VIC 3175

Test Number : 23-003063
Issue Date : 16/08/2023
Print Date : 16/08/2023

Sample Description Clients Ref : "Pluto" Nom Comp: Solution Dyed Nylon. Nom Thickness: 15.5mm
Twist pile carpet Nom Mass: 2040g/m²
End Use : Flooring

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	2.6
Vinyl Acetate	<400	<1.0
Benzene	<55	<0.5
Toluene	<280	1.3
4-Vinyl cyclohexene	<85	<0.3
Xylenes	<50	<0.3
Styrene	<410	3.0
1-Methyl-2-Pyrrolidone	<300	<50.0
2-Ethyl-1-hexanol	<50	<2.0
Octanal	<24	<0.5
Nonanal	<24	<1.0
2-ethylhexanoic	<46	<25.0
Napthalene	<20	<0.50
Caprolactam	<120	89.6
4-Phenylcyclohexene	<50	10.7
Hydrocarbons (C10-C14)	<300	124.8
Total Volatile Organic Compound	<500	132.3

Test specimen size

500 x 400 (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

Tested by AWTA-JSIC JinAo Testing Co Limited - China
Test Report Number JA234086

Date of Testing 15/08/2023

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.

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