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 : Robert Malcolm Ltd
10 Establishment Drive
Hornsby South
Christchurch 8042 New Zealand

Test Number : 26-003153
Issue Date : 4/09/2026
Print Date : 4/09/2026

Sample Description

Clients Ref : "Havana"
Loop pile carpet tile
Colour : Multicolour
End Use : Floor Covering
Nominal Composition : 100% Solution Dyed Nylon
Nominal Mass per Unit Area/Density : 18.3oz/yd2
Nominal Thickness : 6mm



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Accredited for compliance with ISO/IEC 17025 - Testing
Accreditation Numbers: 983, 985, and 1356

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Chris Campbell
APPROVED SIGNATORY

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

0204/11/06

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ISO 9239.1:2010 Part 1 **Reaction to Fire Tests for Floorings. Determination of the Burning Behaviour using a Radiant Heat Source**

Date of Sample Arrival 13-08-2026

Date Tested 03-09-2026

CHF Value	1	2	3	Mean	
Length	4.9	5.3	4.1	4.8	kW/m²
Width	5.9	-	-	-	kW/m²

HF-30 Value	1	2	3	Mean	
Length	4.9	6.3	4.5	5.2	kW/m²
Width	5.9	-	-	-	kW/m²

Smoke Value	1	2	3	Mean	
Length	73	49	81	68	%.min
Width	64	-	-	-	%.min

Observations:
Melting Yes

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test, they are not intended to be sole criterion for assessing the potential fire hazard of the product in use.

Sample was conditioned in accordance with BSEN 13238:2010 at a temperature of 23±2°C and relative humidity of 50±5% for a minimum of 48 hours prior to testing.

Each specimen was adhered to a substrate of 6mm thick fibre reinforced cement board using Roberts 656 adhesive and clamped prior to testing.

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Clause 9.4

Date of Testing				04/09/2026	
HF-10 Burn Distance	1	2	3	Mean	
Length	250	230	210	230	mm
Width	240	-	-	-	mm
HF-20 Burn Distance	1	2	3	Mean	
Length	340	280	230	283	mm
Width	340	-	-	-	mm
HF-30 Burn Distance	1	2	3	Mean	
Length	420	350	440	403	mm
Width	370	-	-	-	mm
Total Burn Distance	1	2	3	Mean	
Length	420	400	460	427	mm
Width	370	-	-	-	mm
Time to burn to	L1	L2	L3	W1	
60mm	208	216	248	204	sec
110mm	337	385	301	314	sec
160mm	406	448	420	425	sec
210mm	446	538	600	502	sec
260mm	608	1000	762	638	sec
310mm	1081	1638	862	756	sec
360mm	1394	1910	1313	1398	sec
410mm	1754	-	1671	-	sec
460mm	-	-	2016	-	sec

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Flame Out	2065	2270	2110	1920	sec

L1 = Length Specimen 1
L2 = Length Specimen 2
L3 = Length Specimen 3
W1 = Width Specimen 1

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