

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 : Hoad
29 Huntingwood Drive
Huntingwood NSW 2148

Test Number : 20-005868
Issue Date : 10/12/2020
Print Date : 10/12/2020

Sample Description Clients Ref : "Orbit"
Woven fabric with backcoating
Colour : Latte
End Use : Drapery
Nominal Composition : 100% Polyester, silicone coated
Nominal Mass per Unit Area/Density : 450g/m²
Nominal Thickness : 1mm

AS/NZS 1530.3-1999

Methods for Fire Tests on Building Materials, Components and Structures Part 3: Simultaneous Determination of Ignitability, Flame Propagation, Heat Release and Smoke Release

Face tested:	Face		
Date tested:	09/12/2020		
	Standard Error	Mean	
Ignition time	1.39	4.21	min
Flame propagation time	5.4	39.6	sec
Heat release integral	8.3	148.3	kJ/m ²
Smoke release, log d	0.0251	-0.5348	
Optical density, d		0.1198	/ metre
No of samples which ignited		8	
For Samples which ignited			
Smoke Release (Log D) - Mean		-0.5348	
Smoke Release (Log D) - Standard Error		0.0251	
No of samples which did not ignite		1	
For Samples which did not ignite			
Smoke Release (Log D) - Mean		-0.9217	
Smoke Release (Log D) - Standard Error		0.0000	
Number of specimens tested:		9	

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APPROVED SIGNATORY



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

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Regulatory Indices:

Ignitability Index	16	Range 0-20
Spread of Flame Index	8	Range 0-10
Heat Evolved Index	5	Range 0-10
Smoke Developed Index	6	Range 0-10

These results only apply to the specimen mounted, as described in this report. The result of this fire test may be used to directly assess fire hazard, but it should be recognised that a single test method will not provide a full assessment of fire hazard under all fire conditions.

The reaction of thin unsupported flexible materials to flame impingement can be assessed in accordance with AS 1530.2. Where materials of thickness less than 2mm that are sufficiently flexible to be bent by hand around a mandrel of 2mm diameter or less are subjected to the test described herein, they should also be subjected to the test in AS 1530.2.

Specimens tended to flash before ignition. Ignition was based on the occurrence of a single flash of flame which lasted longer than 10 seconds.

The specimens melted away from the area of maximum heat and produced flaming droplets during the test. Due to this phenomena it should be recognised that this test result may not be a true indication of the product's fire hazard properties.

To allow free movement of sample during testing all corners were folded away from the clamps.

Each test specimen was sandwiched between two layers of galvanised welded square mesh made from wire of nominal diameter 0.8mm and nominal spacing 12mm in both directions, stapled through at four points, each 100mm from the centre of the sample and the assembly clamped in four places.

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