

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 Fax (03) 9371 2499

TEST REPORT

Client : Kaynemaile Ltd
107 to 109 Nelson Street
Petone New Zealand
New Zealand

Test Number : 15-004091
Issue Date : 27/08/2015
Print Date : 28/08/2015

Sample Description Clients Ref : "Kaynemaile Seamless Mesh"
Rigid frame containing interlocking elements
Colour : Silver/Clear
End Use : Architectural Mesh
Nominal Composition : Polycarbonate, aluminium frame
Nominal Mass per Unit Area/Density : 3kg/m²
Nominal Thickness : 13mm

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: Both
Date tested: 27/08/2015

	Standard Error	Mean
Ignition time	Nil	Nil min
Flame propagation time	Nil	Nil sec
Heat release integral	Nil	Nil kJ/m ²
Smoke release, log d	0.0229	-1.8620
Optical density, d		0.0130 / metre

Number of specimens ignited: 0
Number of specimens tested: 6

Regulatory Indices:
Ignitability Index 0 Range 0-20
Spread of Flame Index 0 Range 0-10
Heat Evolved Index 0 Range 0-10
Smoke Developed Index 1 Range 0-10

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6856

Page 1 of 2

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Ignition is initiated by a pilot flame that is held near, but does not touch the specimen. A material that does not ignite during the standard test may ignite if contacted with a pilot flame during the test.

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 and the assembly clamped in four places.

The specimens were mounted to simulate use in an unsupported or free hanging mode. The results may be significantly different when mounted to simulate a wall cladding or upholstery application.

The specimens melted and flowed away from the area of maximum heat 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.

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.

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6856

Page 2 of 2

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0204/11/06

APPROVED SIGNATORY

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