

AWTA TEXTILE TESTING

Australian Wool Testing Authority Ltd – trading as AWTA Textile 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 : PALTECH CORPORATION (AUST)
PTY LTD
8 KINGSTON PARK COURT
KNOXFIELD VIC 3180

TEST NUMBER : 7-544982-CV
DATE : 12/05/2006
ORDER NUMBER : 2292

SAMPLE DESCRIPTION Clients Ref: Silver sleeve insulated with R1.0 polyester fibre assembled flexible ducting

THESE RESULTS MUST BE CONSIDERED IN CONJUNCTION WITH THE COMMENTS ON THE FOLLOWING PAGE(S)

Material Specification provided by client:

Nominal Composition: Inner: Clear PET (12mm, 57mm wide, metalised PET 12micron, 57mmwide) steel wire diameter 1.25, Bostik duct form CC Glue

Insulation: Polyester fibre R1.0

Outer: Clear PET (12micron, 57mm wide) metalised PET (12micron, 57mm wide)

Bostik LC water based FR laminating adhesive

AS/NZS 1530.3 - 1999 Simultaneous determination of Ignitability, Flame Propagation, Heat Release and Smoke Release

RESULTS: Face tested: Assembly outer sleeve

	Mean	min	Standard Error
Ignition time	Nil	min	Nil
Flame propagation time	Nil	s	Nil
Heat release integral	Nil	kJ/m2	Nil
Smoke release, log d	-2.0235		0.0915
Optical density, d	0.0106	/m	

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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This Laboratory is accredited by the National Association of Testing Authorities, Australia, for:
- Chemical Testing of Textiles & Related Products : Accreditation No. 983
- Mechanical Testing of Textiles & Related Products : Accreditation No. 985
- Heat & Temperature Measurement : Accreditation No. 1356

The tests reported herein have been performed in accordance with its terms of accreditation. Samples, and their identifying descriptions have been provided by the client unless otherwise stated. AWTA Ltd makes no warranty, implied or otherwise, as to the source of the tested samples. The above test results relate only to the sample or samples tested. This document shall not be reproduced except in full and shall be rendered void if amended or altered. This document, the names AWTA Textile Testing and AWTA Ltd may be used in advertising providing the content and format of the advertisement have been approved in advance by the Managing Director of AWTA Ltd.



0204/5/05

APPROVED SIGNATORY

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

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Comments:

These results only apply to the specimen mounted, as described in this report.

The results of this fire test may be used to directly assess fire hazard, but it should be recognized that a single test method will not provide a full assessment of fire hazard under all fire conditions.

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.

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.

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

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TEST REPORT

CLIENT : PALTECH CORPORATION (AUST)
PTY LTD
8 KINGSTON PARK COURT
KNOXFIELD VIC 3180

TEST NUMBER : 7-544984-CV
DATE : 12/05/2006
ORDER NUMBER : 2292

SAMPLE DESCRIPTION Silver sleeve, insulated with R 0.6 polyester fibre
assemblage flexible ducting

THESE RESULTS MUST BE CONSIDERED IN CONJUNCTION WITH THE COMMENTS ON THE FOLLOWING PAGE(S)

Material Specification provided by client:

Nominal Composition: Silver sleeve - Clear PET (12micron, 57mm) metalised
PET (12micron, 57mm) bostik "Ductform" water based adhesive
Insulation: Polyester fibre rated R0.6
Inner - Clear PET (12micron, 57mm) metalised PET (12micron, 57mm) steel
wire diameter 1.25mm and bostik "Ductform" LC Glue
AS/NZS Simultaneous determination of Ignitability, Flame
1530.3 - 1999 Propagation, Heat Release and Smoke Release

RESULTS: Face tested: Assembly - Outer sleeve

	Mean	min	Standard Error
Ignition time	Nil	min	Nil
Flame propagation time	Nil	s	Nil
Heat release integral	Nil	kJ/m ²	Nil
Smoke release, log d	-1.8416		0.0415
Optical density, d	0.0148	/m	

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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