

AWTA TEXTILE TESTING

26 Robertson Street, Kensington, Victoria 3031
 P.O. Box 240 North Melbourne, Victoria 3051
 Phone (03) 9371 2125 Telex AA35301 Fax (03) 9376 3469
 Australian Wool Testing Authority Ltd - A.C.N. 006 014 106
 trading as AWTA Textile Testing

TEST REPORT*

CLIENT : CADILLAC PLASTICS AUSTRALIA
 75A ASHLEY STREET
 BRAYBROOK VIC 3019

TEST NUMBER : 7-465853-C
 DATE : 20.12.96

SAMPLE DESCRIPTION CLIENTS REF; LEXAN THERMO CLEAR LTS16
 CLEAR POLYCARBONATE SHEETING

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

MATERIAL SPECIFICATION PROVIDED BY CLIENT:
 NOM COMPOSITION: 100% POLYCARBONATE
 NOM THICKNESS: 16mm
 NOM MASS: 3000g/m²

AS 1530.3.1989 SIMULTANEOUS DETERMINATION OF IGNITABILITY, FLAME
 AMDT NO 1 APR 92 PROPAGATION, HEAT RELEASE AND SMOKE RELEASE.
 RESULTS:

	MEAN		STANDARD ERROR
IGNITION TIME	NIL	min	NIL
FLAME PROPAGATION TIME	NIL	s	NIL
HEAT RELEASE INTEGRAL	NIL	kJ/m ²	NIL
SMOKE RELEASE, LQG D	-2.0050		0.1880
OPTICAL DENSITY, D	0.0144	/m	

NUMBER OF SPECIMENS IGNITED: 0
 NUMBER OF SPECIMENS TESTED: 8

REGULATORY INDICES:	INDEX	VALUE	RANGE
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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 - Chemical Testing of Textiles & Related Products
 - Mechanical Testing of Textiles & Related Products
 - Heat & Temperature Measurement

Registration No. 983
 Registration No. 985
 Registration No. 1356



CHARGES:

TESTING \$599.00
 OTHER \$299.50

 TOTAL \$898.50

* The above tests have been performed in accordance with NATA's terms of registration. Samples and their identifying descriptions are normally submitted by the client unless otherwise stated. AWTA Textile Testing makes no warranty, implied or otherwise, as to the source of the tested sample. The above tests relate only to the sample tested. This document shall not be reproduced except in full and shall be rendered void if amended or altered. This document, the name AWTA Textile Testing or AWTA Ltd may not be used in any form of advertising without the prior written consent of the Managing Director of AWTA Ltd.

Dr Cabral
 AUTHORIZED SIGNATORY

D.J. WARD B.Sc., M.A.I.A.S.
 MANAGING DIRECTOR

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TEST REPORT*

CLIENT : CADILLAC PLASTICS AUSTRALIA
75A ASHLEY STREET
BRAYBROOK VIC 3019

TEST NUMBER : 7-465853
DATE : 20.12.96

COMMENTS:

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.

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 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.

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 : CADILLAC PLASTICS AUSTRALIA
75A ASHLEY STREET
BRAYBROOK VIC 3019

TEST NUMBER : 7-466945-C1
DATE : 03.03.97

COMMENTS:

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.

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.

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Don Hampshire
AUTHORISED SIGNATORY

D.J. WARD B.Sc. M.A.I.A.S.
MANAGING DIRECTOR

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CLIENT : CADILLAC PLASTICS AUSTRALIA
 75A ASHLEY STREET
 BRAYBROOK VIC 3019

TEST NUMBER : 7-466945-C
 DATE : 03.03.97

SAMPLE DESCRIPTION CLIENTS REF: LEXAN THERMOCLEAR TC10
 POLYCARBONATE SHEETS

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

MATERIAL SPECIFICATION PROVIDED BY CLIENT:
 NOM COMPOSITION: 100% LEXAN POLYCARBONATE
 NOM THICKNESS: 10mm
 NOM MASS: 1700g/m²

AS 1530.3.1989 SIMULTANEOUS DETERMINATION OF IGNITABILITY, FLAME
 AMDT NO 1 APR 92 PROPAGATION, HEAT RELEASE AND SMOKE RELEASE.
 RESULTS:

	MEAN	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	-1.6624	0.1157
OPTICAL DENSITY, D	0.0258 /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	2	RANGE 0-10

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CHARGES

TESTING \$560.00

 TOTAL \$560.00

0204/1/96

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