

AWTA TEXTILE TESTING

*Agent
Bony*

Australian Wool Testing Authority Ltd - trading as AWTA Textile Testing
A.B.N. 43 006 014 106
26 Robertson Street, Kensington, Victoria 3031
P.O. Box 240, North Melbourne, Victoria 3051
Phone (03) 9371 2126 Fax (03) 9371 2102

TEST REPORT

Tax 470E

CLIENT : POLYFAB AUSTRALIA PTY LTD
4 JOYNER STREET
MOORABBIN VIC 3189

TEST NUMBER : 7-513822-BV
DATE : 11/10/2002

SAMPLE DESCRIPTION CLIENTS REF: F/R COMSHADE 90
KNITTED SHADE CLOTH
COLOUR: GREEN
APPROX. THICKNESS: 1mm

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

MATERIAL SPECIFICATION PROVIDED BY CLIENT:
NOMINAL COMPOSITION: HDPE DENSITY POLYETHYLENE
NOMINAL MASS: 290 g/m2

AS/NZS 1530.3 - 1999 SIMULTANEOUS DETERMINATION OF IGNITABILITY, FLAME
PROPAGATION, HEAT RELEASE AND SMOKE RELEASE

RESULTS: FACE TESTED: BOTH SIDES

	MEAN		STANDARD ERROR
IGNITION TIME	9.53	min	0.60
FLAME PROPAGATION TIME	23.2	s	2.7
HEAT RELEASE INTEGRAL	92.2	kJ/m2	4.7
SMOKE RELEASE, LOG D	-0.3027		0.0451
OPTICAL DENSITY, D	0.5007	/m	

NUMBER OF SPECIMENS IGNITED: 9

NUMBER OF SPECIMENS TESTED: 9

REGULATORY INDICES:	INDEX	RANGE
IGNITABILITY INDEX	10	RANGE 0-20
SPREAD OF FLAME INDEX	8	RANGE 0-10
HEAT EVOLVED INDEX	3	RANGE 0-10
SMOKE DEVELOPED INDEX	6	RANGE 0-10

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.

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This Laboratory is accredited by the National Association of Testing Authorities, Australia for:
- Chemical Testing of Textiles & Related Products
- Mechanical Testing of Textiles & Related Products
- Heat & Temperature Measurement

Accreditation No. 282
Accreditation No. 282
Accreditation No. 1256

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4 JOYNER STREET
MOORABBIN VIC 3189

TEST NUMBER : 7-513822-BV
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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.

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.

TO ALLOW FREE MOVEMENT OF SAMPLE DURING TESTING ALL CORNERS WERE FOLDED AWAY FROM THE CLAMPS.

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.

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- Heat & Temperature Measurement Accreditation No. 1358

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TEST REPORT

CLIENT : POLYPAB AUSTRALIA PTY LTD
 4 VOYNER STREET
 MOORABBIN VIC 3189

TEST NUMBER : 7-538208-BV
 DATE : 28/07/2005

SAMPLE DESCRIPTION : Clients Ref: FR Comshade Blue
 Blue warp knitted shade cloth
 Nom: high density polyethylene, 290g/m2
 flame retardant treated
 End Use: Shade structures

AS 1530.2-1993 Test for Flammability of Materials

DATE TESTED: 28/07/2005 Flammability Index: 1 Range 0 - 100 for most material
 Length Width

Spread Factor: Range 0 - 40	0	0	
Heat Factor: Range 0 - upward	1	1	
Maximum height (d) mean	3.0	3.0	
cv	14.9	18.3	%
Time (t) mean	N/A	N/A	%
cv	N/A	N/A	%
Heat (a) mean	1.5	1.5	degC min
cv	0	0	%
No of specimens tested	6	6	

These test results relate only to the behaviour of the test specimens of the material under the particular conditions of the test, and they are not intended to be the sole criterion for assessing the potential fire hazard of the material in use

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**CALIFORNIA DEPARTMENT OF FORESTRY and FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL**

REGISTERED FLAME RESISTANT PRODUCT

Product:

FR COMSHADE ®

Registration No.

F-59002

Product Marketed By:

POLYFAB AUSTRALIA
4 JOYNER STREET
MOORABBIN 3189, VICTORIA AUSTRALIA

This product meets the minimum requirements of flame resistance established by the California State Fire Marshal for products identified in Section 13115, California Health and Safety Code.

The scope of the approved use of this product is provided in the current edition of the **CALIFORNIA APPROVED LIST OF FLAME RETARDANT CHEMICALS AND FABRICS, GENERAL AND LIMITED APPLICATIONS CONCERNS** published by the California State Fire Marshal.

Deputy State Fire Marshal

Expire: 06/30/2008