



Farming, Food and Health. **First**

*Te Ahuwhenua, Te Kai me te Whai Ora. Tuatahi*

# AgResearch Test Report

**AgResearch Limited**

Lincoln Research Centre

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T +64 3 321 8800 F +64 3 321 8811 www.agresearch.co.nz



## LABORATORY

**No.09/216**

(Please quote this number in all correspondence)

CLIENT:  
James Dunlop Textiles Ltd  
P O Box 9576  
Newmarket  
Auckland 1003

SAMPLE RECEIVED FROM:  
James Dunlop Textiles Ltd

Date: 10.03.09

SAMPLE DESCRIPTION:  
One fabric Bonny- Uncoated- Almond.

Attn: Sarah Hanley

Client Order No.:

Client Reference:

2

### Speed Factor (S)

(only calculated when the flame reached the 21st mark on three or more specimens in less than 54 seconds) otherwise 0)

warp S = 0

$$S = 60 - \frac{3t}{8}$$

### Heat Factor (H)

warp H = 1

$$H = 0.24 \times A$$

### Spread Factor (E)

(only calculated when the flame fails to reach the 21 mark on three or more specimens in less than 54 seconds)

warp E = 5

$$E = \frac{20}{9} \times D - 3$$

### Flammability Index (I)

warp I = 6


I = H+E – when flame doesn't reach 21<sup>st</sup>

mark in < 54 seconds.

I = H+S – when flame does reach 21<sup>st</sup>

mark in < 54 seconds

\* 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.

  
L A Greer, Testing Manager  
Signatory

18/03/2009

#### TERMS AND CONDITIONS

The client, upon receipt of this Report is deemed to accept the Terms and Conditions printed on the reverse of this report.



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### AS 1530 Pt 2 - 1993 TEST FOR FLAMMABILITY OF MATERIALS

- samples conditioned at 65% RH and 20°C

- samples tested as received

#### Results:

Face warp	Mark burnt to	Time to reach 21st mark (seconds)	Heat output (°C - minutes)
1	4	0	3.3
2	6	0	3.4
3	5	0	5.0
4	6	0	5.1
5	6	0	5.2
6	4	0	5.1
mean	D = 5	t = 0	A = 4.5
CV%	D = 19	t = 0	A = 20

L A Greer, Testing Manager  
Signatory

18/03/2009

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