



LABORATORY

No.07/404

(Please quote this number in all correspondence)

CLIENT:
Kaynemaile
P O Box 24388
Manners St
Wellington CBD

SAMPLE RECEIVED FROM:
Kaynemaile

Date: 15.02.07

SAMPLE DESCRIPTION:
KML22 Seamless mesh.

Attn: Kayne Horsham

Client Order No.:

Client Reference:

1

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	-	2.1
2	5	-	2.5
3	5	-	3.4
4	4	-	3.0
5	4	-	2.5
6	3	-	2.6
mean	D = 4	t = -	A = 2.7
CV%	D = 18	t = -	A = 17

Face weft	Mark burnt to	Time to reach 21st mark (seconds)	Heat output (°C - minutes)
1	5	-	1.9
2	4	-	1.1
3	5	-	1.2
4	6	-	1.3
5	5	-	1.4
6	7	-	1.3
mean	D = 5	t = -	A = 1.4
CV%	D = 19	t = -	A = 19

L A Greer, Testing Manager
Signatory

22/03/2007



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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

weft S = 0

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

Heat Factor (H)

warp H = 1

weft 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 = 3

weft E = 5

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

Flammability Index (I)

warp I = 3

weft I = 6

I = H+E – when flame doesn't reach 21st
mark in < 54 seconds.

I = H+S – when flame does reach 21st
mark in < 54 seconds

Overall Flammability Index (I)

(worst result)

I = 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.

L A Greer, Testing Manager
Signatory

22/03/2007