

OMEGA POINT LABORATORIES, INC.

16015 SHADY FALLS ROAD
ELMENDORF, TEXAS 78112

(210) 635-8100

(800) 966-5253

Fax No: (210) 635-8101

FAX TRANSMITTAL SHEET

TELECOPY TO: Kennedy J. Safin, Hendee Enterprises

DATE: December 23, 2004

PROJECT NO.: 17132-123098

FAX NUMBER: 713-795-4080

Results of ASTM E84 test(s)

If this transmission was incomplete, please notify by telephone at (210) 635-8100.

Pages Transmitted, Including This Sheet:

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Flame Spread Classes

The UBC and BOCA codes use the I-II-III designation, and the Standard code uses A-B-C. The flame spread categories are as follows per ASTM E-84/UL 723:

- Class A or I: Flame spread 25 or less
- Class B or II: Flame spread 26 to 75
- Class C or III: Flame spread 76 to 200

This standard should be used to measure and describe the response of materials, products, or assemblies to heat and flame under controlled conditions and should not be used to describe or appraise the fire-hazard or fire-risk of materials, products or assemblies under actual fire conditions. However, results of the test may be used as elements of a fire-hazard assessment or a fire-risk assessment which takes into account all of the factors which are pertinent to an assessment of the fire hazard or fire risk of a particular end use.

This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

ASTM E84 DATASHEETS

Client: HENDEE ENTERPRISES

Date: 12/23/04

Time: 02:52 PM

Test Number: 5

Project Number: 17132-123098

Operator: EH/TA

Specimen ID: "PART # 11118, 45% SPICED SAND ENDURO SHADE CLOTH". THE SPECIMEN WAS SUPPORTED BY RODS & WIRE.

TEST RESULTS

FLAMESPREAD INDEX: 10

SMOKE DEVELOPED INDEX: 40

SPECIMEN DATA . . .

Time to Ignition (sec): 2

Time to Max FS (sec): 21

Maximum FS (feet): 2.0

Time to 980 °F (sec): Never Reached

Max Temperature (°F): 460

Time to Max Temperature (sec): 594

Total Fuel Burned (cubic feet): 51.63

FS*Time Area (ft*min): 19.5

Smoke Area (%A*min): 39.5

Fuel Area (°F*min): 3895.9

Fuel Contributed Value: 0

Unrounded FSI: 10.0

CALIBRATION DATA . . .

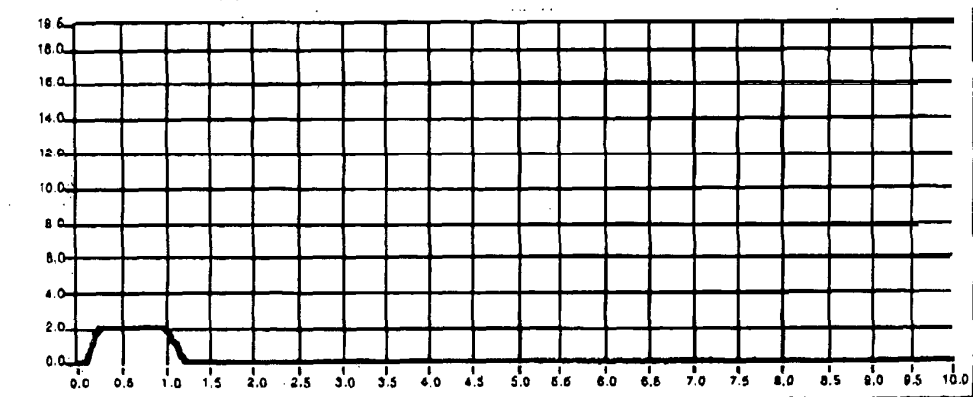
Time to Ignition of Last Red Oak (sec): 38

Red Oak Smoke Area (%A*min): 96.00

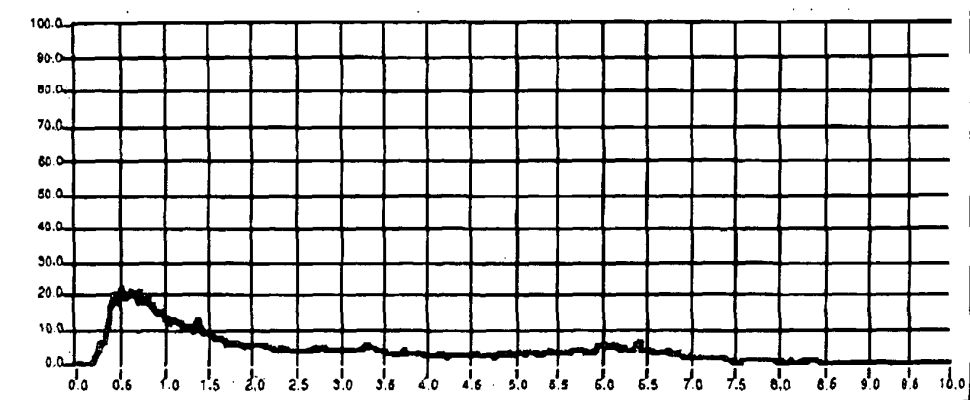
Red Oak Fuel Area (°F*min): 8587

Glass Fiber Board Fuel Area (°F*min): 5396

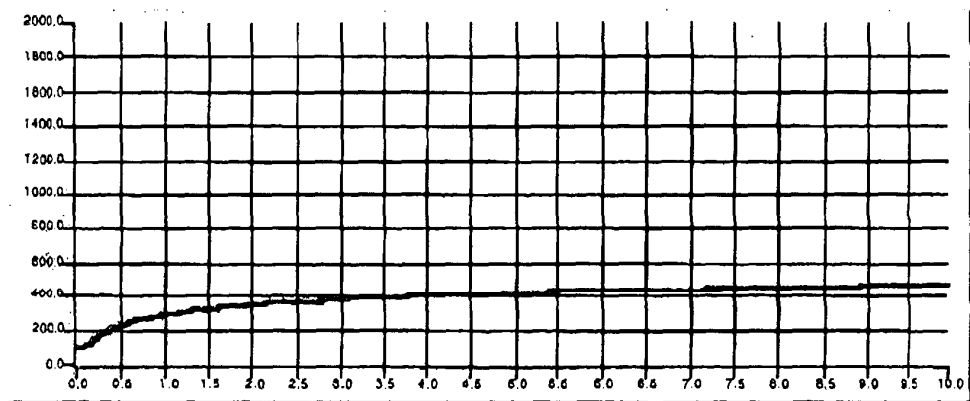
FLAME SPREAD (ft)



Smoke (%A)



Temperature (°F)



Time (min)

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FAX TRANSMITTAL SHEET

TELECOPY TO: Kennedy J. Safin, Hendee Enterprises
DATE: December 23, 2004
PROJECT NO.: 17132-123097
FAX NUMBER: 713-795-4080

Results of ASTM E84 test(s)

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ASTM E84 DATASHEETS

Client: HENDEE ENTERPRISES

Date: 12/23/04

Time: 03:20 PM

Test Number: 6

Project Number: 17132-123097

Operator: EH/TA

Specimen ID: "PART # 11092, 63% DEEP SEA BLUE ENDURO SHADE CLOTH". THE SPECIMEN WAS SUPPORTED BY RODS & WIRE.

TEST RESULTS

FLAMESPREAD INDEX: 10

SMOKE DEVELOPED INDEX: 75

SPECIMEN DATA . . .

Time to Ignition (sec): 3

Time to Max FS (sec): 15

Maximum FS (feet): 2.1

Time to 980 °F (sec): Never Reached

Max Temperature (°F): 458

Time to Max Temperature (sec): 588

Total Fuel Burned (cubic feet): NaN

FS*Time Area (ft*min): 21.0

Smoke Area (%A*min): 702

Fuel Area (°F*min): 3912.3

Fuel Contributed Value: 0

Unrounded FSI: 10.8

CALIBRATION DATA . . .

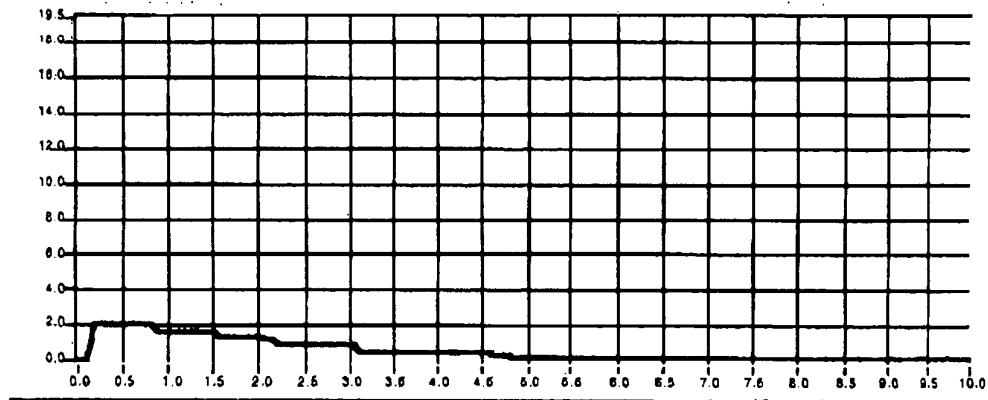
Time to Ignition of Last Red Oak (sec): 38

Red Oak Smoke Area (%A*min): 96.00

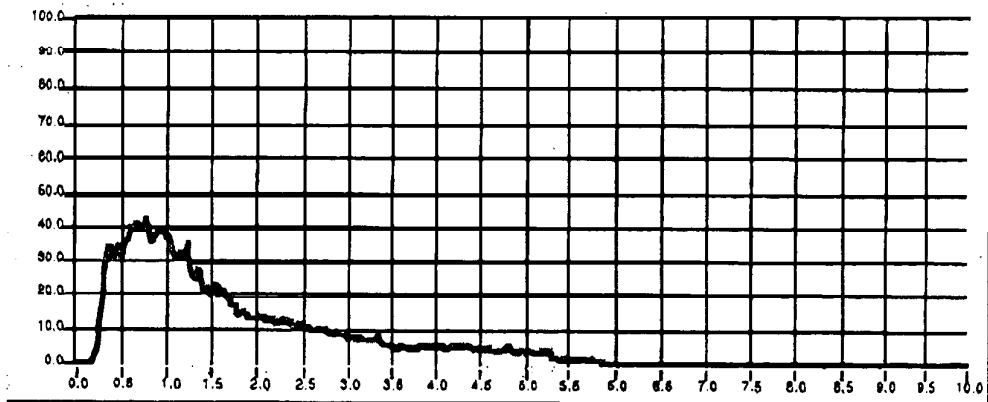
Red Oak Fuel Area (°F*min): 8587

Glass Fiber Board Fuel Area (°F*min): 5396

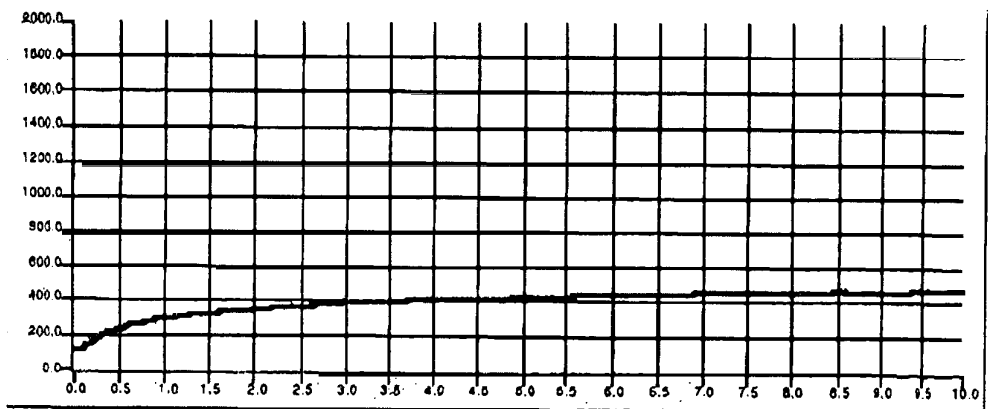
FLAME SPREAD (ft)



Smoke (%A)



Temperature (°F)



Time (min)