

# ASTM E84 DATASHEETS

Client: NAN TONG SUPER COMPOSITE

Date: 8/29/06

Time: 07:20 AM

Test Number: 1

Project Number: 3103357SAT-001

Operator: EH/EA

Specimen ID: "SUPERFRP-IFR". THE SPECIMEN WAS SELF-SUPPORTING. THE SAMPLE WAS NOT UNDER INTERTEK Q.A.

## TEST RESULTS

**FLAMESPREAD INDEX: 20**

**SMOKE DEVELOPED INDEX: 600**

## SPECIMEN DATA . . .

Time to Ignition (sec): 102

Time to Max FS (sec): 596

Maximum FS (feet): 7.4

Time to 980 °F (sec): Never Reached

Max Temperature (°F): 694

Time to Max Temperature (sec): 600

Total Fuel Burned (cubic feet): 51.01

FS\*Time Area (ft\*min): 40.5

Smoke Area (%A\*min): 396.8

Fuel Area (°F\*min): 4861.6

Fuel Contributed Value: 0

Unrounded FSI: 20.9

## CALIBRATION DATA . . .

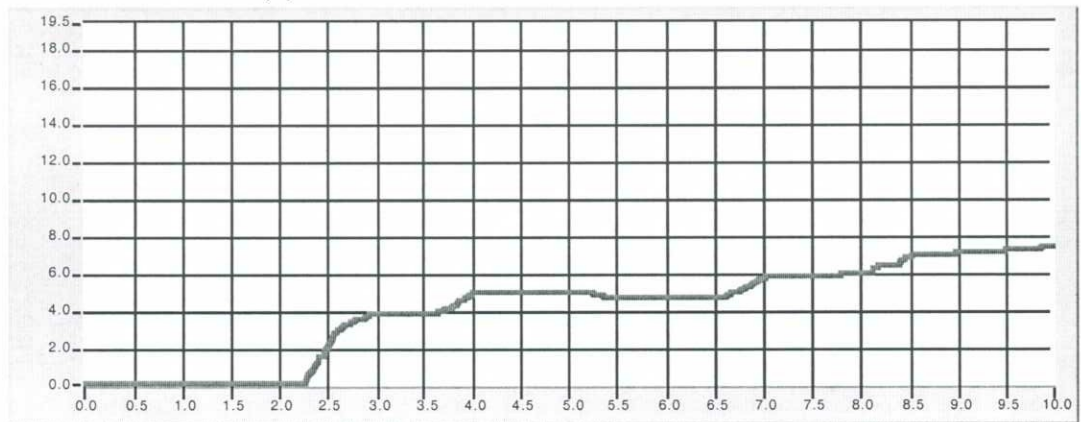
Time to Ignition of Last Red Oak (sec): 46

Red Oak Smoke Area (%A\*min): 64.23

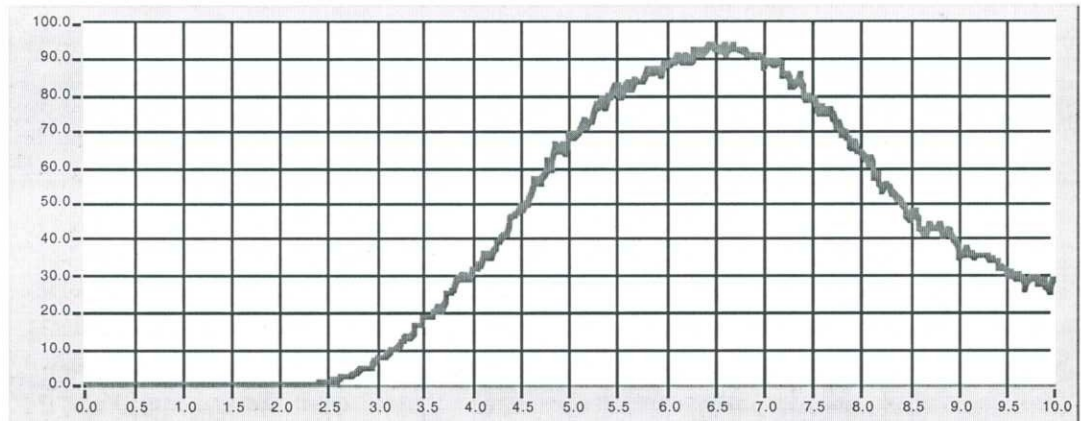
Red Oak Fuel Area (°F\*min): 8430

Glass Fiber Board Fuel Area (°F\*min): 4858

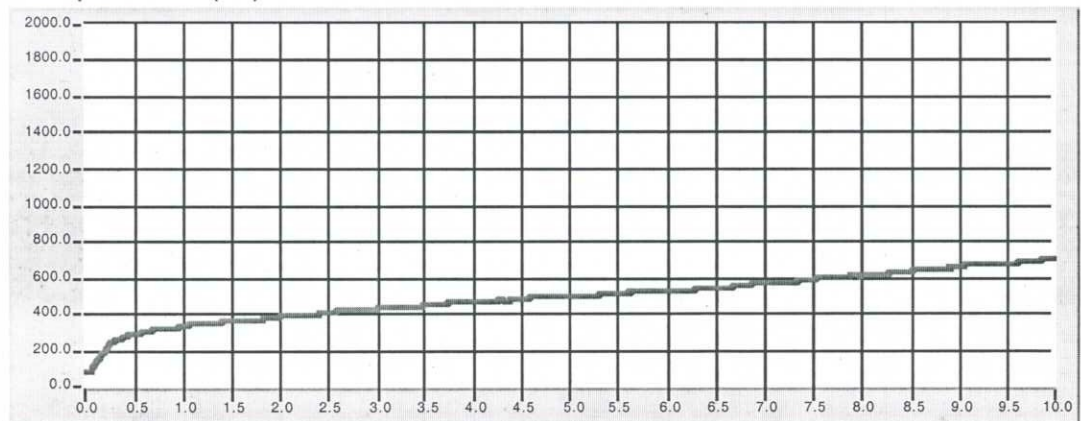
### FLAME SPREAD (ft)



### Smoke (%A)



### Temperature (°F)



Time (min)