

Client: R & D SERVICES, INC.

Date: 11/5/08

Project Number: 3165949SAT-009

Test Number: 1

Operator: TA MP

Specimen ID: "INNOVATIVE ENERGY; LOWELL, IL. REFLECTIVE INSULATION; ASTRO SHIELD II MPET/DB/MPET; BOTH SIDES ARE THE SAME. SLIT ALONE CENTERLINE ON ONE SIDE TO REMOVE METALIZED. NOMINAL 5/16 INCH THICK." THE SPECIMEN WAS SELF-SUPPORTING. THE SPECIMEN WAS MOUNTED ACCORDING TO ASTM E2599-08. THE TEST WAS WITNESSED BY RON GRAVES FROM R & D SERVICES, INC.

## TEST RESULTS

FLAMESPREAD INDEX: 0

SMOKE DEVELOPED INDEX: 20

## SPECIMEN DATA . . .

Time to Ignition (sec): 10

Time to Max FS (sec): 0

Maximum FS (feet): 0.0

Time to 980 F (sec): Never Reached

Time to End of Tunnel (sec): Never Reached

Max Temperature (F): 487

Time to Max Temperature (sec): 595

Total Fuel Burned (cubic feet): 51.51

FS\*Time Area (ft\*min): 0.9

Smoke Area (%A\*min): 17.9

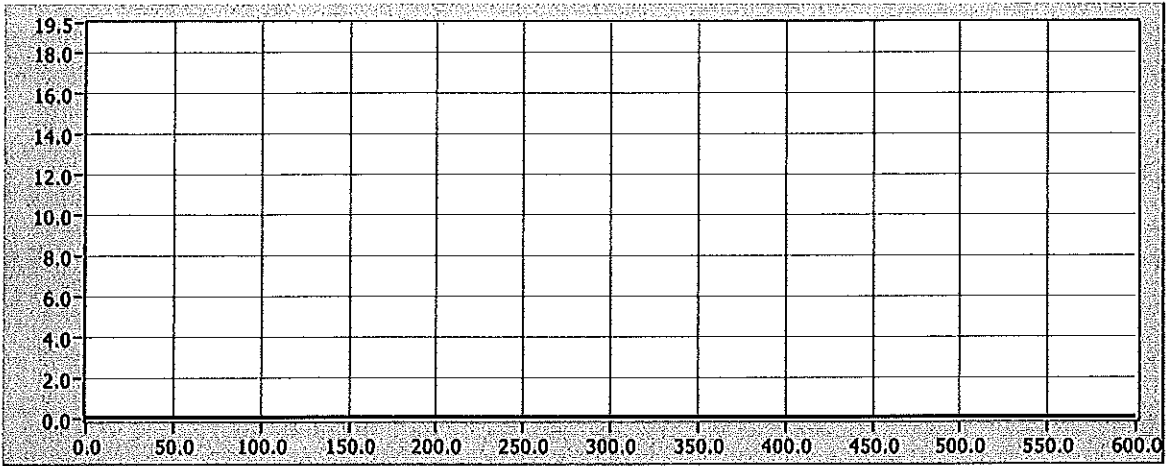
Unrounded FSI: 0.4

## CALIBRATION DATA . . .

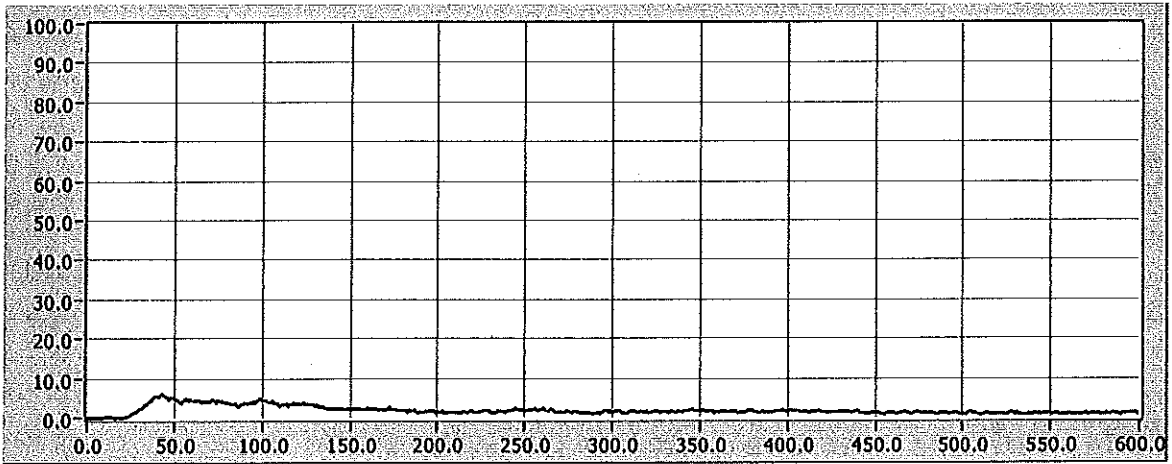
Time to Ignition of Last Red Oak (Sec): 34.0

Red Oak Smoke Area (%A\*min): 94.0

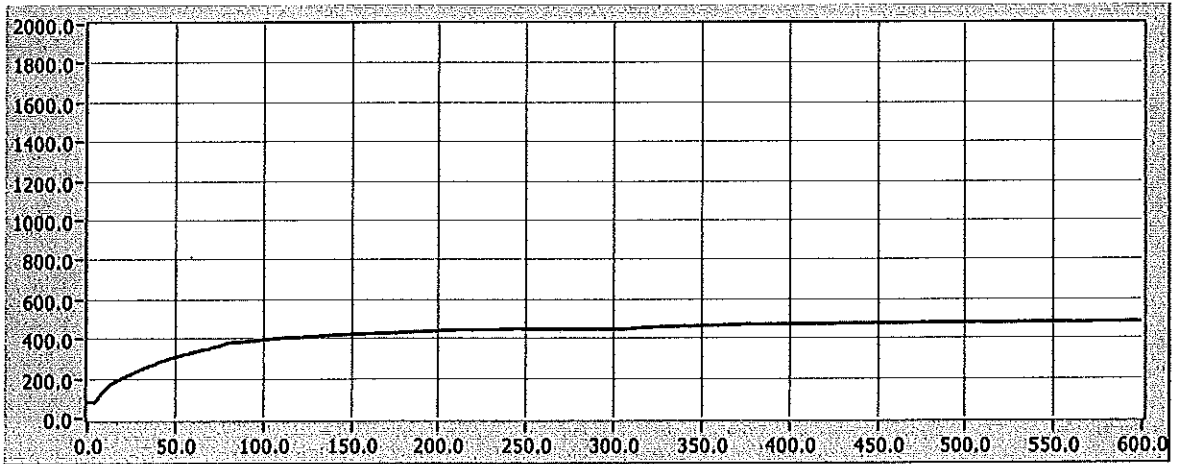
### FLAME SPREAD (ft)



### Smoke (%A)



### Temperature (°F)



Time (sec)

600

Client: R & D SERVICES, INC.

Date: 11-03-2008

Project Number: 3165949SAT-008

Test Number: 6

Operator: TA/AM

Specimen ID: "INNOVATIVE ENERGY; LOWELL, IL. REFLECTIVE INSULATION; ASTRO SHIELD II MPET/DB/MPET; BOTH SIDES ARE THE SAME. NOMINAL 5/16 INCH THICK." THE SPECIMEN WAS SELF-SUPPORTING. THE SPECIMEN WAS MOUNTED ACCORDING TO ASTM E2599-08. THE TEST WAS WITNESSED BY RON GRAVES FROM R & D SERVICES, INC.

## TEST RESULTS

FLAMESPREAD INDEX: 0

SMOKE DEVELOPED INDEX: 30

## SPECIMEN DATA . . .

Time to Ignition (sec): 13

Time to Max FS (sec): 0

Maximum FS (feet): 0.0

Time to 980 F (sec): Never Reached

Time to End of Tunnel (sec): Never Reached

Max Temperature (F): 494

Time to Max Temperature (sec): 533

Total Fuel Burned (cubic feet): 50.49

FS\*Time Area (ft\*min): 0.9

Smoke Area (%A\*min): 28.5

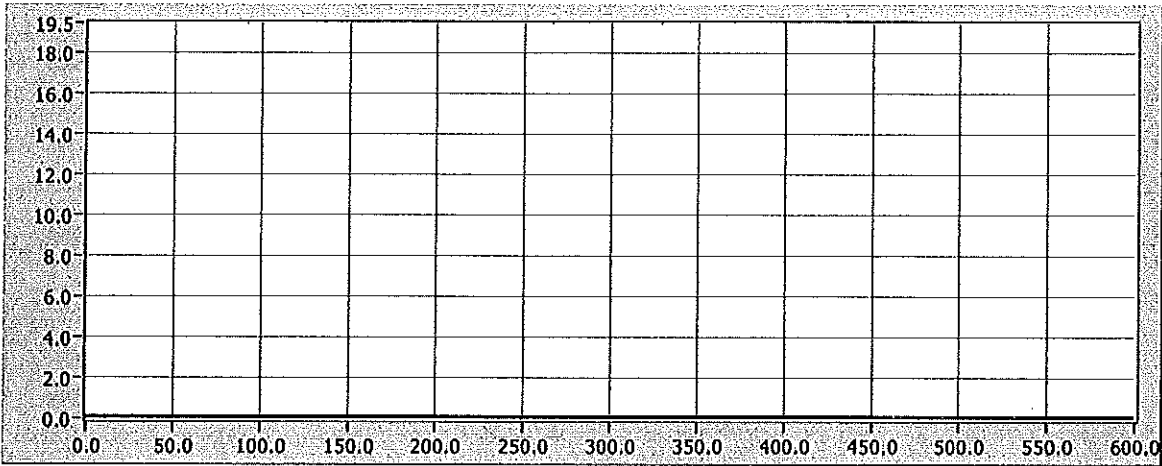
Unrounded FSI: 0.4

## CALIBRATION DATA . . .

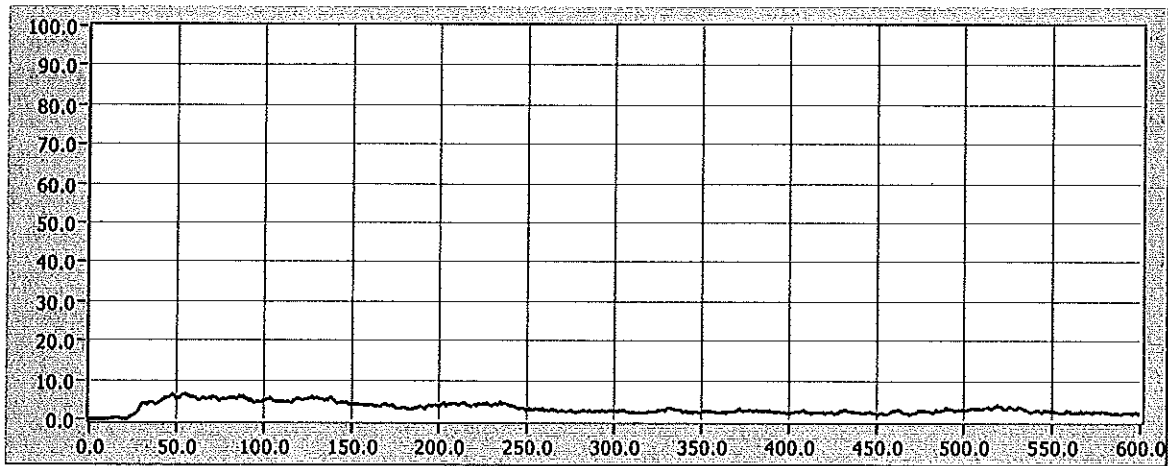
Time to Ignition of Last Red Oak (Sec): 34.0

Red Oak Smoke Area (%A\*min): 94.0

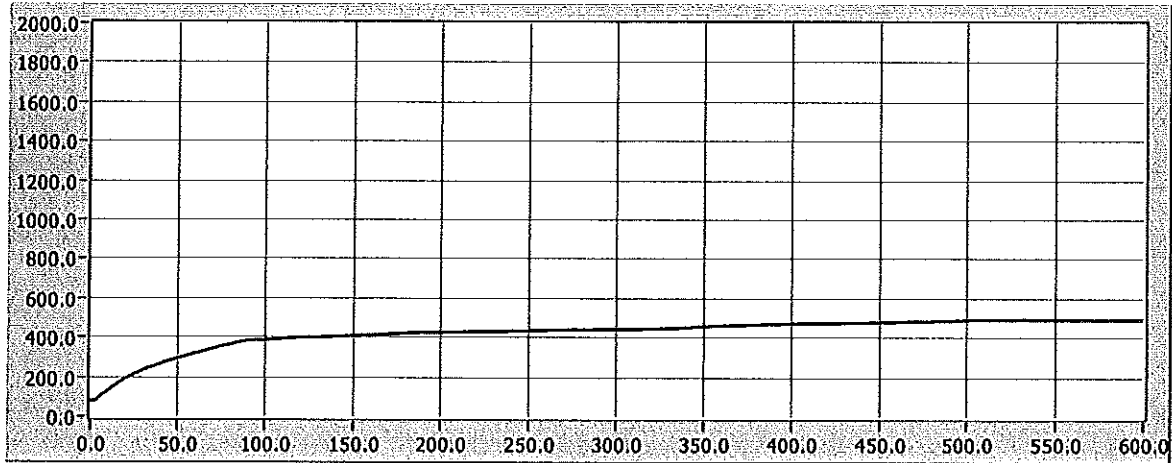
### FLAME SPREAD (ft)



### Smoke (%A)



### Temperature (°F)



Time (sec)

600