

TEST REPORT

CLIENT:

Sabic Innovative Plastics US LLC

1 Lexan Lane

Mount Vernon, IL 47620

Attn: Constantin Donea

Test Report No:

654:028183-3

Date:

November 6, 2009

SUBJECT:

Testing to ASTM E-84

SAMPLE ID:

Sample identified as "20mm" was received from the client on 9/24/09 in good condition.

The sample was described by the manufacturer of containing the following items:

Sample: Lexan Thermoclear 20mm Sheet, commercialized under the grade names LTP5X20, 2XP5X20, LPD5X20, LED5X20, LXE5X20, LXD5X20

TEST REQUESTED: Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with ASTM Designation E84-08a, "Standard Method of Test for Surface Burning Characteristics of Building Materials". The test

procedure is equivalent to UL 723, ANSI/NFPA No. 255, and UBC No. 8-1.

PREPARATION:

The sample material was submitted in three pieces, 22" wide by 72" long.

TEST DATE:

10/8/09

RESULTS:

Results can be found on the following pages and apply only to the sample tested.

CERTIFICATION:

The test reported was conducted by an SGS U.S. Testing Company, Inc. approved

laboratory.

CLASSIFICATION:

Class A

SIGNED FOR AND ON BEHALF OF SGS U.S. TESTING COMPANY INC.

KSM

Engineering Technician

J. Brian McDonald

Fire Technology Department Manager

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Client: Sabic Innovative Plastics US LLC Report No.: 654:028183-3

RESULTS:

SAMPLE: 20mm

TEST DATE: 10/8/09

DATA:

| Ignition (minutes: seconds) | 01:02 | |
|---|-------|--|
| Flame Front (feet) | 1.0 | |
| Time to Maximum Spread (minutes: seconds) | 10:00 | |
| Flame Spread | 5 | |
| Smoke Developed | 45 | |

| NFPA Class | IBC Class | Flame Spread | Smoke Developed |
|------------|-----------|----------------|-----------------|
| Α | Α | 0 through 25 | ≤ 450 |
| В | В | 26 through 75 | ≤ 450 |
| С | С | 76 through 200 | ≤ 450 |

Total Test Time, (hr:min:sec): 0:10:00

Building Codes Cited:

- 1. National Fire Protection Association, ANSI/NFPA No. 101, "Life Safety Code", 2006 Edition.
- 2. International Building Code, 2006 Edition, Chapter 8, Interior Finishes, Section 803



Graphical Data:

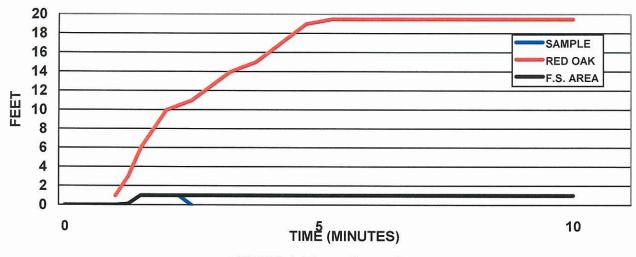


FIGURE 1. Flame Spread

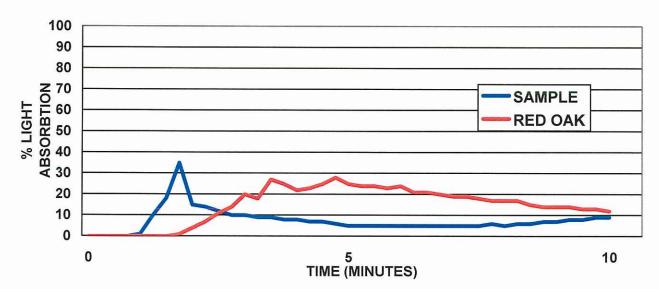


FIGURE 2. Smoke Developed

End of Report