CLIENT: Sabic Innovative Plastics US LLC
1 Lexan Lane
Mount Vernon, IL 47620
Attn: Constantin Donea

Test Report No: 654:028183-7 Date: November 6, 2009

SUBJECT: Testing to ASTM E-84

SAMPLE ID: Sample identified as “32mm” 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 32mm Sheet, commercialized under the grade names LTP5X32, 2XP5X32, LPD5X32, LED5X32, LXE5X32, LXDX32

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.

Greg Ertel
Engineering Technician

J. Brian McDonald
Fire Technology Department Manager
RESULTS:
SAMPLE: 32mm
TEST DATE: 10/8/09

DATA:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ignition (minutes: seconds)</td>
<td>01:12</td>
</tr>
<tr>
<td>Flame Front (feet)</td>
<td>1.0</td>
</tr>
<tr>
<td>Time to Maximum Spread (minutes: seconds)</td>
<td>10:00</td>
</tr>
<tr>
<td>Flame Spread</td>
<td>5</td>
</tr>
<tr>
<td>Smoke Developed</td>
<td>45</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NFPA Class</th>
<th>IBC Class</th>
<th>Flame Spread</th>
<th>Smoke Developed</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>A</td>
<td>0 through 25</td>
<td>≤ 450</td>
</tr>
<tr>
<td>B</td>
<td>B</td>
<td>26 through 75</td>
<td>≤ 450</td>
</tr>
<tr>
<td>C</td>
<td>C</td>
<td>76 through 200</td>
<td>≤ 450</td>
</tr>
</tbody>
</table>

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

Building Codes Cited:
Graphical Data:

**FIGURE 1. Flame Spread**

**FIGURE 2. Smoke Developed**

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End of Report