

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

<b>Test Report No:</b> 654:0281839-13	<b>Date:</b> November 6, 2009
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**SUBJECT:** Testing to ASTM D 635

**SAMPLE ID:** Sample identified as “**25mm – with ribbing**” 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 25mm Sheet, commercialized under the grade names LTP5X25, 2XP5X25, LPD5X25, LED5X25, LXE5X25, LXD5X25**

**TEST REQUESTED:** The submitted sample was tested for Rate of Burning and/or extent of time of burning of plastics in a horizontal position in accordance to procedures outlined in ASTM D 635-06.

**PREPARATION:** The sample material was submitted in ten pieces, 13.5mm x 25mm x 127mm

**TEST DATE:** 11/6/09

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

**CLASSIFICATION:** CC1

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

KSM



Cody Allen  
Engineering Technician



For: J. Brian McDonald  
Fire Technology Department Manager



**SAMPLE:** 25mm – with ribbing      **TEST DATE:** 11/6/09      **Equipment Number:** 061-10  
Conditioning Treatment: 69.8 – 77.0 °F      Relative Humidity: 50 ± 5% for 48 hours  
Temperature and Humidity at time of Testing: 71.0°F      Relative Humidity: 52%

**DATA:**

<u>Specimen Number</u>	<u>Dimensions (mm)</u>	<u>Burning Time (Sec)</u>	<u>Burned Length (mm)</u>	<u>Burn Rate (mm/min)</u>
1	127 x 13.5 x 25	_*	_*	_*
2	127 x 13.5 x 25	_*	_*	_*
3	127 x 13.5 x 25	_*	_*	_*
4	127 x 13.5 x 25	_*	_*	_*
5	127 x 13.5 x 25	_*	_*	_*
6	127 x 13.5 x 25	10	7.25	.725
7	127 x 13.5 x 25	_*	_*	_*
8	127 x 13.5 x 25	_*	_*	_*
9	127 x 13.5 x 25	_*	_*	_*
10	127 x 13.5 x 25	3	7	2.334
<b>AVERAGE</b>	<b>127 x 13.5 x 25</b>	<b>1.3</b>	<b>1.425</b>	<b>.55</b>

\* - Specimen ceases to burn before reaching the 25mm gauge mark  
**Observations:** Specimens stopped burning once the flame was removed.

**NOTES:**

**Class CC1:** "Plastic materials that have a burning extent of 1 inch (25.4mm) or less where tested at a normal thickness of 0.060 inch (1.5mm), or in the thickness intended for use, in accordance with ASTM D 635"

**Class CC2:** "Plastic materials that have a burning rate of 2.5 inches (1.06mm) or less where tested at a normal thickness of 0.060 inch (1.5mm), or in the thickness intended for use, in accordance with ASTM D 635"

**CBC:** Cannot Be Classified. This description is for any test results that do not meet CC1 or CC2 criteria.

The CC rating is in accordance with the International Building Code-2006.

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**End of Report**

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