



TEST REPORT

**CLIENT:** Polygal Inc.  
PO Box 410592  
Charlotte, NC 28241  
  
Attn: Mark Dailey

<b>Test Report No:</b>	<b>2119202-6</b>	<b>Date:</b>	<b>August 18, 2010</b>
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**SUBJECT:** Testing to ASTM D 635

**SAMPLE ID:** Sample identified as “16mm RFX Clear” was received from the client on 8/2/10 in good condition. The sample was described by the manufacturer of containing the following items:

- **Sample Description: 16mm RFX Clear**

**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 10 pieces, 125mm by 16mm by 12mm.

**TEST DATE:** 8/10/10

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

**CLASSIFICATION:** The sample received a **CC1** classification in accordance with The International Building Code – 2006.

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

KSM

  
Matt Trout  
Engineering Technician

  
J. Brian McDonald  
Fire Technology Department Manager

**SAMPLE: 16mm RFX Clear**

**TEST DATE:** 8/10/10

**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: 74.0°F

Relative Humidity: 42%

**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	125 x 16 x 12	0	0	-*
2	125 x 16 x 12	0	0	-*
3	125 x 16 x 12	0	0	-*
4	125 x 16 x 12	0	0	-*
5	125 x 16 x 12	0	0	-*
6	125 x 16 x 12	0	0	-*
7	125 x 16 x 12	0	0	-*
8	125 x 16 x 12	0	0	-*
9	125 x 16 x 12	0	0	-*
10	125 x 16 x 12	0	0	-*
<b>AVERAGE</b>	125 x 16 x 12	<b>0</b>	<b>0</b>	<b>-*</b>

\* - Specimen ceases to burn before reaching the 25mm gauge mark

\*\* - Specimen ceased to burn before reaching the 100mm gauge mark

**Observations:** Charring of the sample, no visible flaming combustion

**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 per minute (1.06 mm/sec) 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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