

CLIENT: Polygal Inc.
PO Box 410592
Charlotte, NC 28241

Attn: Mark Dailey

Test Report No:	2119202-2	Date:	August 18, 2010
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SUBJECT: Testing to ASTM D 635

SAMPLE ID: Sample identified as “**25mm 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: 25mm 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 25mm 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: 25mm 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 25 x 12	0	0	-*
2	125 x 25 x 12	0	0	-*
3	125 x 25 x 12	0	0	-*
4	125 x 25 x 12	0	0	-*
5	125 x 25 x 12	0	0	-*
6	125 x 25 x 12	0	0	-*
7	125 x 25 x 12	0	0	-*
8	125 x 25 x 12	0	0	-*
9	125 x 25 x 12	0	0	-*
10	125 x 25 x 12	0	0	-*
AVERAGE	125 x 25 x 12	0	0	-*

- * - 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.

End of Report

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