



## IMPACT TESTING ON SAFETY GLAZING MATERIAL

## Rendered to:

## BAYER MATERIAL SCIENCE LLC 119 Salisbury Road Sheffield, Massachusetts 01257

Report No.: E3434.02-106-37 Test Date: 12/04/14 Report Date: 12/18/14

Sample ID: Makrolon 85559983; 5/32" Pattern Polycarbonate

Samples Obtained from Manufacturer: Bayer Material Science LLC - Sheffield, Massachusetts

Size Classification: Unlimited

Lab Temperature: 69°F

Duration of Pre-Conditioning @ 69 - 71°F: 24 Hours

Test Size: 34" wide by 76" high

All test specimens were destroyed by test or by our personnel and have been disposed of as trash.

Impact Tests: In accordance with ANSI Z97.1-2009,

(ANSI Class A)

Spec. No.	Test Standard	Thickness (inches)	Impact Drop Height (inches)	Test Results	Pass / Fail Results
1*	ANSI/CAN	0.165	48	Unit partially disengaged from frame / did not break	Pass
2**	ANSI / CAN	0.164	48	Unit partially disengaged from frame / did not break	Pass
3*	ANSI / CAN	0.164	48	Unit disengaged from frame / did not break	Pass
4**	ANSI / CAN	0.162	48	Unit partially disengaged from frame / did not break	Pass
*	Smooth Side Out				

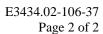
<sup>\*\*</sup> Pattern Side Out

**Conclusion**: Meets the impact requirements of the referenced standards for the size classification listed.

For ARCHITECTURAL TESTING, INC.:

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Todd M. Wilt	Christian E. Lapadat
Senior Technician	Project Manager

TMW:cel/jas







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## **Revision Log**

<u>Rev. #</u>	<b>Date</b>	Page(s)	Revision(s)
0	12/18/14	N/A	Original report issue