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: 69ºF
Duration of Pre-Conditioning @ 69 - 71ºF: 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)

<table>
<thead>
<tr>
<th>Spec. No.</th>
<th>Test Standard</th>
<th>Thickness (inches)</th>
<th>Impact Drop Height (inches)</th>
<th>Test Results</th>
<th>Pass / Fail Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>1*</td>
<td>ANSI / CAN</td>
<td>0.165</td>
<td>48</td>
<td>Unit partially disengaged from frame / did not break</td>
<td>Pass</td>
</tr>
<tr>
<td>2**</td>
<td>ANSI / CAN</td>
<td>0.164</td>
<td>48</td>
<td>Unit partially disengaged from frame / did not break</td>
<td>Pass</td>
</tr>
<tr>
<td>3*</td>
<td>ANSI / CAN</td>
<td>0.164</td>
<td>48</td>
<td>Unit disengaged from frame / did not break</td>
<td>Pass</td>
</tr>
<tr>
<td>4**</td>
<td>ANSI / CAN</td>
<td>0.162</td>
<td>48</td>
<td>Unit partially disengaged from frame / did not break</td>
<td>Pass</td>
</tr>
</tbody>
</table>

* Smooth Side Out
** Pattern Side Out

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

For ARCHITECTURAL TESTING, INC.:

Digitally Signed by: Todd M. Wilt
Todd M. Wilt
Senior Technician

Digitally Signed by: Christian E. Lapadat
Christian E. Lapadat
Project Manager
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**Revision Log**

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