

**ARCOPLAST**  
 1879 Williamstown Drive  
 Saint Peters, MO 63376

March 17, 2011  
 Lab No. 11P-0665  
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**Attention:** Ghislain Beaugard

**REPORT OF MECHANICAL TEST**

**SAMPLE:** Arcoplast 9.5 mm Solid Glass/Resin Core Panel  
**SUBJECT:** Flexural Properties  
**METHOD:** ASTM D 790-03  
**INSTRUMENT:** INSTRON Model 5500R (Bluehill Program)/ Cal Due 5/2011  
**TEST TEMPERATURE:** 70°F ± 2°F **HUMIDITY:** 50% ± 4%

**Results: Top layer Up (Compression)**

Sample ID	Area (in <sup>2</sup> )	Flexural Load (lbs)	Flexural Strength (PSI)	Flexural Modulus (Mpsi)
1	0.2184	72.4	7955	0.889
2	0.2202	111.9	12195	0.727
3	0.2129	105.1	11853	0.835
4	0.2092	73.8	8473	0.779
5	0.2074	96.0	11113	0.736
<b>Average</b>		91.9	10318	1.227

**Top layer down (Tension)**

Sample ID	Area (in <sup>2</sup> )	Flexural Load (lbs)	Flexural Strength (PSI)	Flexural Modulus (Mpsi)
1	0.1835	178.7	21243	1.094
2	0.2165	190.6	21127	1.317
3	0.2129	181.5	20466	1.223
4	0.2129	180.4	20338	1.240
5	0.1872	174.2	22331	1.260
<b>Average</b>		181.1	21101	0.793

Karl Schmitz, Director  
 Materials Testing

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Certificate No. 0397-01  
 Certificate No. 0397-02

