

Everbright E610 polycarbonate standard coloured panels

Summary of Results

Density	1200kg/m ³																																																
Pull Resistance	63N/mm ²																																																
Extension at break	105%																																																
Modulus of elasticity	2400N/mm ²																																																
Impact strength (- 40°C)	No failure																																																
Notched impact strength (23°C)	No failure																																																
Description	Triple skinned tube extrusion. Co-extruded with 0.05mm thick ultra violet filter.																																																
Size	74mm deep, 100mm wide																																																
Sound absorption	27 db approximately																																																
Light transmission ultra violet	Negligible																																																
Fire	AS 1530.3																																																
Solar transmissions calculation	<table border="1"> <thead> <tr> <th></th> <th>Clear</th> <th>Blue</th> <th>Opal</th> <th>Nanogel x1</th> <th>Nanogel x2</th> </tr> </thead> <tbody> <tr> <td>• ST%</td> <td>51%</td> <td>49%</td> <td>36%</td> <td>---</td> <td>---</td> </tr> <tr> <td>• LT%</td> <td>73%</td> <td>59%</td> <td>65%</td> <td>-10%</td> <td>-20%</td> </tr> <tr> <td>• SR%</td> <td>40%</td> <td>32%</td> <td>26%</td> <td>---</td> <td>---</td> </tr> <tr> <td>• SHGC</td> <td>0.40</td> <td>0.32</td> <td>0.26</td> <td>---</td> <td>---</td> </tr> <tr> <td>• Thermal Performance</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td> Rvalue</td> <td>1.042</td> <td>1.042</td> <td>1.042</td> <td>3.10</td> <td>5.53</td> </tr> <tr> <td> Uvalue</td> <td>0.96</td> <td>0.96</td> <td>0.96</td> <td>0.32</td> <td>0.18</td> </tr> </tbody> </table>		Clear	Blue	Opal	Nanogel x1	Nanogel x2	• ST%	51%	49%	36%	---	---	• LT%	73%	59%	65%	-10%	-20%	• SR%	40%	32%	26%	---	---	• SHGC	0.40	0.32	0.26	---	---	• Thermal Performance						Rvalue	1.042	1.042	1.042	3.10	5.53	Uvalue	0.96	0.96	0.96	0.32	0.18
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Radius of a curve	Since E610 polycarbonate panels are extruded as a flat tube, dramatic radiuses can be achieved.																																																