



  
**SAN DIEGO PLASTICS, INC.**  
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# Acrylit<sup>GC</sup>

Skylight & Sidelight Panels



**Glasteel<sup>TM</sup>**

Glasteel, with more than 45 years of experience, is the second largest manufacturer of Fiberglass Reinforced Panels in the North American Market. AcrylitGC Skylight Panels are the only panels manufactured with 100% Acrylic resin and Acrylic Gel Coat Protection that provides the best resistance for yellowing and panel deterioration.

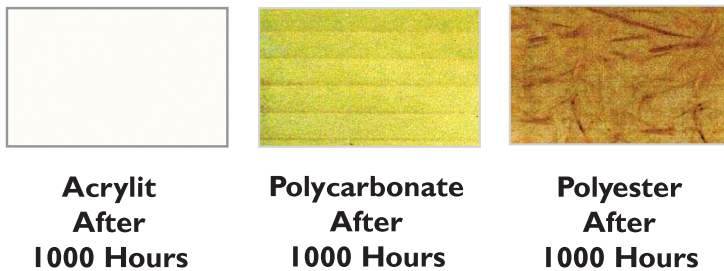
### Physical Properties

Property	ASTM Std	Chopped Glass Result	Woven Roving Result
Tensile Strength	D638	12,595 psi	25,772 psi
Tensile Modulus	D638	1.02 x 10 <sup>6</sup> psi	1.52 x 10 <sup>6</sup> psi
Flexural Strength	D790	29,151 psi	24,306 psi
Flexural Modulus	D790	0.97 x 10 <sup>6</sup> psi	0.79 x 10 <sup>6</sup> psi
Compressive Strength	D695	23,304 psi	28,905 psi
Compressive Modulus	D695	1.03 x 10 <sup>6</sup> psi	1.5 x 10 <sup>6</sup> psi
Barcol Hardness	D2583	40-50	40-50
% Elongation	D638	1.37%	1.90%
Izod Impact	D256	17.87	18.59
Building Code Class		CC2	CC2
Burning Rate	D635	<2.5 in/min	<2.5 in/min
Smoke Density	E84	105	95
Glass Content	D2584	26% ± 3%	34% ± 3%

### Features

- **8% maximum loss of light transmission over 10 years**
- **Warranted against yellowing**
- **Warranted against fiberbloom**
- **UL-90 approved**
- **Coefficient of linear expansion closely resembles cold rolled steel resulting in NO LEAKS.**
- **Woven Roving glass technology provides strength for our panels like no other in the industry.**
- **The diffusion of our Acrylit panel brings in much more usable light than polyester.**

### UV Weathering Test



### AcrylitGC R Panel Span and Loading Table (8 oz.)

lbs. per sq. ft.	Chopped Glass	Woven Roving
Roofing 10psf	74"	76"
Roofing 20psf	65"	70"
Roofing 30psf	57"	63"
Roofing 40psf	48"	57"
Roofing 50psf	40"	50"
Roofing 60psf	31"	44"
Siding 10psf	77"	79"
Siding 20psf	71"	74"
Siding 30psf	65"	69"
Siding 40psf	59"	65"
Siding 50psf	53"	60"
Siding 10psf	47"	56"