



***Acrylit is the only panel
in the world manufactured with
100% pure Acrylic resin with
GEL COAT PROTECTION
ON BOTH SIDES.***

***Acrylit is your perfect solution for
skylight and sidelight applications
in the Metal Building Industry.***



Advantage of peak to eave applications



***Available in multiple configurations
and standing seam types.***



Perfect for sidelight applications

***Quality,
Commitment
and Innovation***





Light Transmission Properties

Property	Polycarbonate (Twinwall)	Tedlar	AcrylitGC	Std Polyester FRP
Light Transmission	40-50%	50-55%	50-55%	55-60%
Light Diffusion (% Haze)	N/A	25-30%	90-95%	25-30%
Yellowing Index (1000 Hrs QUV) ASTM D-1925	1.96	N/A	0.24	3.98

*The normal light transmission factor shall have a tolerance of +/- 5% when tested in accordance to ASTM D-1494

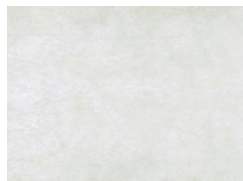
Special Charts and Properties

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 ⁶ psi	1.52 x 10 ⁶ psi
Flexural Strength	D790	29,151 psi	24,306 psi
Flexural Modulus	D790	0.97 x 10 ⁶ psi	0.79 x 10 ⁶ psi
Compressive Strength	D695	23,304 psi	28,905 psi
Compressive Modulus	D695	1.03 x 10 ⁶ psi	1.5 x 10 ⁶ 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%

UV Weathering Test

Acrylit



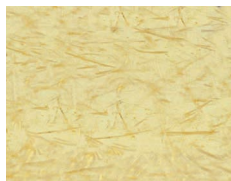
1000 Hours

Polycarbonate



1000 Hours

Polyester



1000 Hours

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 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.



GlasteelTM

425 Industrial Drive • Moscow, TN 38057
800-238-5546 • www.glasteel.com