



## TECHNICAL DATA SHEETS

### Product: Chemcast® EcoGreen

#### Description:

Chemcast® EcoGreen is a General-Purpose cell cast acrylic sheet made with 100% recycled raw material.

Chemcast EcoGreen has excellent optical properties and high-quality surface characteristics for indoor and outdoor applications.

#### Advantages:

- Light transmittance above 92%
- Provides the basis for LEED V4.1 points
- Supports the industry sustainability trends

#### Product availability:

Sizes: 48"x96" & 80"x120".

Thickness: From 0.118" up to 1.00".

Colors: Clear, 7420 White, 2447 White, 7328 White, 2025 Black, Clear P-95 and Clear DP-95.



## Technical Data:

PROPERTY	UNITS	TYPICAL VALUE	TEST METHOD
<b>OPTICAL</b>			
Light Transmission 0.118" – 0.177"	%	92	ASTM D 1003
0.220" – 0.354"	%	89	
Haze	%	< 1.0	ASTM D 542
<b>PHYSICAL – MECHANICAL</b>			
Specific Weight	-	1.19	ASTM D 792
Tensile Strength	psi	10,500	ASTM D 638
Elongation at Rupture	%	5.0	ASTM D 638
Modulus of Elasticity	psi	384,000	ASTM D 798
Impact Resistance IZOD			ASTM D 256
Rockwell Hardness		M 90 – 95	ASTM D 785
Shrinkage	%	1.0	ASTM D 4802
<b>THERMAL</b>			
Maximum recommended continuous service temp	C° F°	80 176	
Deflection Temperature Under Load (264 psi)	C° F°	93 199	ASTM D 648
Forming Temperature	C° F°	175 – 180 347 – 356	Plastiglas
<b>PERFORMANCE</b>			
Flammability	-	HB	UL 94
Water Absorption (24 hrs)	%	0.30%	ASTM D 570
Outdoor Warranty Fabrication	years -	8 (Clear) -	ASTM D 2565/Plastic Please review our Fabrication Manual.

(\* All values referred to Chemcast Ecogreen 3.0 mm (0.118") product. These values are typical and informative for reference and do not represent a specification. Any specific requirement must be agreed in advance.