



Project LL19389=Retail Space Lens Install

Product Overview

These polycarbonate sheets offer the transparency of glass at less than half the weight, and 200 times stronger. Our digital print process is applied directly to the back side of the material, protecting the UV cured ink from surface scratches.

Main Benefits

- High impact resistance - Virtually unbreakable
- High clarity and light transmission
- Weather and UV resistant
- Wide service temperature range
- Blocks harmful UV radiation
- Good acoustical insulation
- Lightweight
- Easy to handle and install
- Print Process, Direct to Substrate helps avoid harmful VOC's

Applications

- Healthcare
- Restaurants & Casinos
- Hotels
- Education
- Assisted Living Centers
- Residential
- Office Buildings
- Retail Locations
- Airports
- Museums & Entertainment

Substrate

- Polycarbonate

Flammability

Standard	Classification*
EN13501	B, s1, d0
BS 476/7	Class 1
NSP 92501, 4	M1, M2
DIN 4102	B1, B2
CSE RF 2/75/A, CSE RF 3/77	Class 1
UL Classified	V-2 (File e221255)
ASTM D-635	CC1
ASTM E-84	Class A

Typical Physical Properties

Property	(Method*)	Conditions	Units	Value
Density	(D-792)		lb/ft ³	75
Heat Deflection Temperature	(D-648)	Load: 264 PSI	°F	265
Service Temperature - Short Term			°F	-58 to +250
Service Temperature - Long Term			°F	-58 to +210
Coefficient of Linear Thermal Expansion	(D-696)		in. / in. / °F	3.6 x 10 ⁻⁵
Thermal Conductivity	(C-177)	0.4 in/min.	Btu-in/hr-ft ² -°F	1.46
Tensile Strength at Yield	(D-638)	0.4 in/min.	psi	9000
Tensile Strength at Break	(D-638)	0.4 in/min.	psi	9400
Elongation at Yield	(D-638)	0.4 in/min.	%	6
Elongation at Break	(D-638)	0.4 in/min.	%	>90
Tensile Modulus of Elasticity	(D-638)	0.04 in/min.	psi	334,000
Flexural Strength	(D-790)	0.052 in/min.	psi	13,500
Flexural Modulus	(D-790)	0.052 in/min.	psi	340,000
Impact Falling Weight	(ISO 6603/1b)	0.12 in. Sheet	ft-lb	117
Rockwell Hardness	(D-785)		R Scale	125R

* ASTM except where noted otherwise

Configuration Options

Images can be printed on single tiles or enlarged over several tiles. See our web site for layout options. Easily installed in 2'X2' and 2'x4' standard grid systems.

All technical specifications have been provided by the manufacturer to Ceiling Scenes. The addition of printed images on the product may result in changes to the technical specifications provided by the manufacturer to Ceiling Scenes. Ceiling Scenes has not conducted independent testing to determine what, if any, changes to the manufacturer's technical specifications result from the addition of printed images. Ceiling Scenes does not represent or warrant that the addition of printed images on the product will meet specific customer requirements. The products are being provided without warranties of any kind, either express or implied, including, but not limited to merchantability or fitness for a particular purpose.