

## SOLYX® Glass Finishes

### SX-3160 Shimera



#### Manufacturer Detail

**SOLYX® SX-3160 Shimera** Decorative Privacy Glass Films are recommended for application to interior glass, exterior glass and all acrylic and polycarbonate sheeting. This film is a premium, 4 mil polymeric vinyl with an etched surface. It is perfect for privacy, decorative or architectural applications.

#### Fire Rating

The product was tested according to ASTM E84 and is classified as Class A, as defined in NFPA 101, Life Safety Code®.

#### Installation and Warranty

##### Installation

Installation should be in accordance with manufacturer's installation instructions.

##### Warranty

This SOLYX® product will be free from defects in material and manufacture for a period of five (5) years from the date of installation. See Warranty information for specific details.

#### Product Distribution and Contact Information

##### Distribution

SOLYX® Decorative Films are available through qualified Installing Dealers, Distributors or from Decorative Films, LLC

Samples submitted upon request.

##### Contact Information

Decorative Films, LLC  
1-888-657-5224  
[www.decorativefilm.com](http://www.decorativefilm.com)

#### Product Description

**SOLYX® SX-3160 Shimera** Film is a durable, dimensionally stable, translucent vinyl film. The etched look surface gives the uniform appearance of etched glass.

#### Specifications

Product Code	SX-3160
Product Family	Simple Frosted
Film Type	Vinyl
Adhesive Type	Pressure-sensitive
Usage	Interior or Exterior
Available Width(s)	48" (1220mm) 60" (1524mm)
Full Roll Length	100 linear feet
Thickness	4 mil
Shading Coefficient	.93%
Visible Light Reflectance	6%
Visible Light Transmission	70%
UV Transmission	17%
IR Transmission	76%
Solar Heat Absorbance	17%

#### Product Construction

##### Face Film

4 mil Polymeric vinyl

##### Adhesive

Adhesive Clear, Pressure-sensitive

##### Release Liner

Transparent, Synthetic, Plottable

#### Product Details

## PERFORMANCE & PHYSICAL DATA

PROPERTY	TEST METHODS	TYPICAL VALUE	
<b>SURFACE FINISH</b>	Gloss Meter 60° Reflection	4 - 20	
<b>THICKNESS</b>	Micrometer, Federal Bench Type	4-mil (100 micron)	
<b>TENSILE STRENGTH</b>	Tensile Tester with 2-in (51 mm) jaw separation; crosshead speed of 12 in/min. (5.1 mm/s), web direction	≥ 4.5 lb/in width	≥ 0.8 kg/cm width
<b>ELONGATION</b>	Instron Tensile Tester as above	≥ 150%	
<b>SHELF LIFE</b>	Free from excessive moisture, temperature, direct sunlight	3 Years from factory shipment	
<b>APPLICATION TEMPERATURE RANGE</b>	On clean, dry substrate	40°F to 90°F optimum	10°C to 30°C
<b>HUMIDITY RESISTANCE</b>	Applied to etched aluminum panels 24 hours prior to testing. 100% relative humidity 100° (38°) for 500 hours	No appreciable effect	
<b>DIMENSIONAL STABILITY</b>	158°F (70°C), 48 hours	0.010 – 0.020 in	0.25 – 0.50 mm
<b>PEEL ADHESION</b>	PSTC-1, 15 min	60 oz/in	.65 kg/cm
<b>LINER RELEASE</b>	TLMI, 300 in/min (127 cm/min) 2 in (51 mm) wide sample	150 g/2 in	30 g/cm

## PHYSICAL PROPERTIES

### Outdoor Durability

9 years when properly processed and applied (Vertical exposure, unprinted film).

### Minimum Surface/Ambient Air Application Temperature

40° F. (38° C)

### Service Temperature Range

-40° F. to +225° F. (-40° C. to +107° C.) - Reasonable range of temperatures, which would be expected under normal environmental time and temperature conditions.

### Typical Film Caliper (w/adhesive)

.0025 to .0035 inches

### Chemical Resistance

Resists mild acids, alkalis, and salts.

### Water Resistance

Excellent resistance to water.

**NOTE: Always pretest your specific substrates prior to actual application.**

### Shelf Life

3 years when stored in a clean, dry area, out of the direct sunlight, and at less than 100° F. (38° C)