

Argotec™ SE-381HF

General Description

- **Typical application:** More difficult encapsulated/decorative glass lamination structures
- **Polymer:** EVA ethylene vinyl acetate (copolymer)
- **Key attributes:** High melt flow (HF) for more difficult laminated glass structures, high transparency, high haze resistance, long-term protection against UV-aging, discoloration & weathering, Blocks UV light below 380 nm, non-tacky matte finish, plasticizer-free, self-priming, crosslinked (cured) eliminates creep/cold flow and high moisture resistance
- On the SGCC® List of Accepted Interlayers

Typical Property	Typical Method	Value
Gauge		15 - 30 mils (375 - 750 microns)
Width		Up to 80" (2.032 m)
Length		Up to 140 yards (128 m)
Refractive index		>1.45
Yellowness index	ASTM - E-313	1.9 YI
Specific gravity		0.95 g/cm ³
Melting point (uncured)	DSC	144°F/62°C
Melt flow rate (uncured)	ASTM D-1238	43 g/10 min.
Tensile strength	ASTM D-638	1500 PSI/10.3 MPa
Elongation	ASTM D-638	660%
Young's modulus	ASTM D-638	724 PSI/5.0 MPa
Adhesion to glass	ASTM D-903	>50PLI/87.6 N/cm
Water absorption	ASTM D-570	0.18 Wt. %
Crosslink level	Toluene extraction	65 - 85%
Haze (0.76 mm/0.030 in.)	ASTM D-1003	<0.51%
Light transmission	ASTM D-1003	90%

General Processing Information

- Lamination can be accomplished by autoclave or by vacuum lamination.
- A minimum crosslink level of 65% is recommended to prevent creep at high installation temperatures and should be verified by gel content determinations.
- Vacuum lamination: Typical process temperatures for the platen range between 239-266°F/115-130°C. Pump down or air evacuation times as required, typically 4-6 minutes. Press times are typically 35 min- utes @ 266°F/130°C or 115 minutes @ 239°F/115°C.
- Autoclave lamination: Pressurize between 125-180 psi. Raise the glass surface temperatures to 115°C and hold for 115 minutes or as required.
- Vacuum bagging is recommended.

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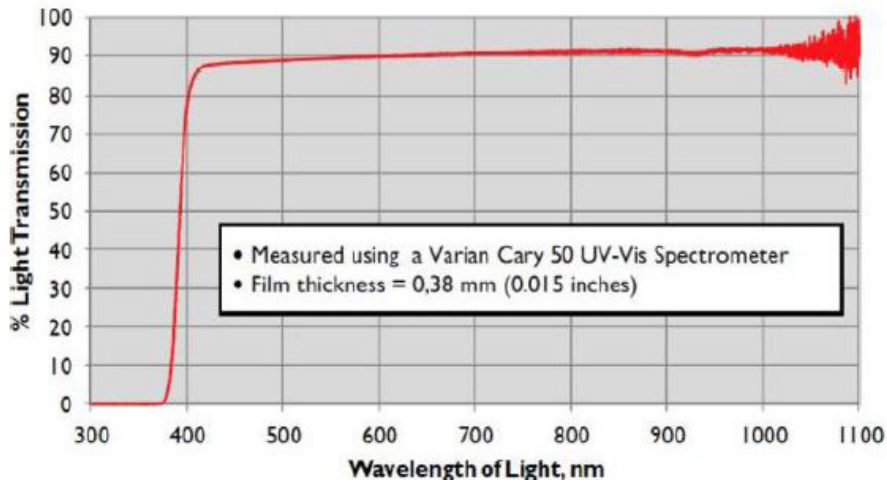


Fig. 1, Typical light transmission spectra

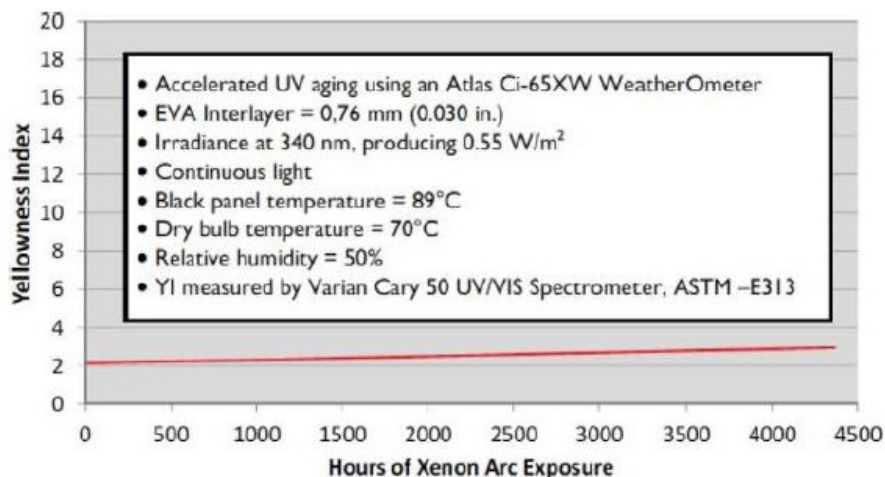


Fig. 2, Typical accelerated UV-aging characteristics

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