

Argotec™ SE-381TF

General Description

- **Typical application:** Standard switchable or decorative glass lamination
- **Polymer:** EVA ethylene vinyl acetate (copolymer)
- **Key attribute:** High transparency & low haze, long-term protection against UV-aging and discoloration, non-tacky matte finish, plasticizer-free, self-priming, traditional melt flow (TF) for standard laminated glass applications, crosslinked (cured) eliminates creep/cold flow and high moisture resistance
- On the SGCC® List of Accepted Interlayers

Property	Method	Typical Value
Gauge		15 - 30 mils (375 - 750 microns)
Width		Up to 72" (2.032 m)
Length		Up to 140 yards (128 m)
Refractive index		>1.45
Yellowness index	ASTM - E-313	2.0 YI
Specific gravity		0.95 g/cm ³
Melting point (uncured)	DSC	160°F/71°C
Melt flow rate (uncured)	ASTM D-1238	5 g/10 min.
Tensile strength	ASTM D-638	1700 PSI/14.5 MPa
Elongation	ASTM D-638	620%
Young's modulus	ASTM D-638	827 PSI/5.7 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	<1%
Light transmission	ASTM D-1003	90%+
UV Transmission	ASTM D-1003	<1% up to 380nm

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 minutes @ 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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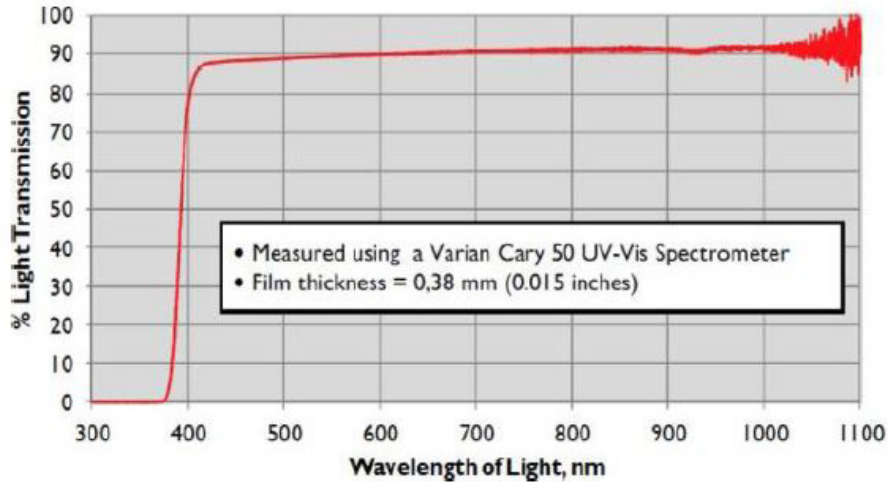


Fig. 1, Typical light transmission spectra

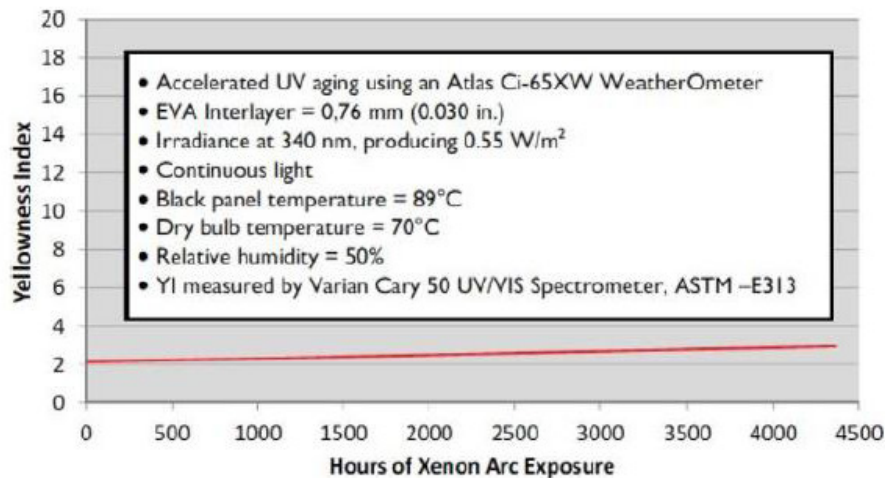


Fig. 2, Typical accelerated UV-aging characteristics

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