

General Description and Use			
Argotec SKU Number	<b>SE-7381HF (Low Yellowness Index)</b>		
Typical application	Thick interlayer switchable and decorative glass lamination structures		
Polymer	EVA ethylene vinyl acetate (copolymer)		
Extrusion method	Flat-die		
Gauge	15-30 mils (375 - 750 microns)		
Width	Up to 80 inches (2.032 meters)		
Length	Up to 140 yards (128 meters)		
Key attributes	<ul style="list-style-type: none"> <li>■ High melt flow (HF) for more difficult laminated glass structures</li> <li>■ Colorless in thick cross-sectional areas due to its inherently low yellowness index</li> <li>■ High transparency</li> <li>■ High haze resistance</li> <li>■ Long-term protection against UV-aging, discoloration and weathering</li> <li>■ Non-tacky matte finish</li> <li>■ Plasticizer-free</li> <li>■ Self-priming</li> <li>■ Crosslinked (cured) eliminates creep/cold flow</li> <li>■ High moisture resistance</li> </ul>		
Typical Properties	Method	Unit	SE-7381HF
Light transmission	US/VIS	%	>90
Refractive index			>1.45
Haze (0.76 mm/0.030 in.)	ASTM D-1003	%	0.40
Yellowness index	ASTM E-313	YI	0.7
Specific gravity		g/cm <sup>2</sup>	0.95
Melting point (uncured)	DSC	°F/°C	144/62
Melt flow rate (uncured)	ASTM D-1238	g/10 min.	43
Tensile strength	ASTM D-638	PSI/MPa	1500/10.3
Elongation	ASTM D-638	%	660
Young's modulus	ASTM D-638	PSI/MPa	724/5.0
Adhesion to glass	ASTM D-903	PLI/N/cm	>50/87.6
Water absorption	ASTM D-570	Wt. %	0.18
Crosslink level	Toluene extraction	%	65-85

## 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.



Product information revised: July 25, 2016

All statements, product characteristics, and performance data contained herein are believed to be reliable based on observation and testing, but no representations, guarantees, or warranties of any kind are made as to accuracy, suitability for particular applications, or the results to be obtained. Nothing contained herein is to be considered to be permission or a recommendation to use any proprietary process or technology without permission of the owner. No warranty of any kind, expressed or implied, is made or intended.

SWM INTL  
53 Silvio O. Conte Drive • Greenfield, Massachusetts 01301 U.S.A.  
tel: 413/772-2564 • fax: 413-772-2565 • web: [www.swmintl.com](http://www.swmintl.com) • email: [ams@swmintl.com](mailto:ams@swmintl.com)