

SE-7381TF

| General Description and Use | | | |
|-----------------------------|--|-------------------|-----------|
| Argotec SKU Number | SE-7381TF (Low Yellowness Index) | | |
| 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"> ■ Colorless in thick cross-sectional areas due to its inherently low yellowness index ■ High transparency ■ High haze resistance ■ Long-term protection against UV-aging, discoloration and weathering ■ Non-tacky matte finish ■ Plasticizer-free ■ Self-priming ■ Traditional melt flow (TF) for traditional laminated glass structures ■ Crosslinked (cured) eliminates creep/cold flow ■ High moisture resistance | | |
| Typical Properties | Method | Unit | SE-7381TF |
| 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 ² | 0.95 |
| Melting point (uncured) | DSC | °F/°C | 160/71 |
| Melt flow rate (uncured) | ASTM D-1238 | g/10 min. | 5 |
| Tensile strength | ASTM D-638 | PSI/MPa | 1700/14.5 |
| Elongation | ASTM D-638 | % | 620 |
| Young's modulus | ASTM D-638 | PSI/MPa | 827/5.7 |
| 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.



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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 • email: ams@swmintl.com