

Argotec™ ST-6050

General Description

- **Typical application:** Glass lamination optical interlayer film
- **Polymer:** Thermoplastic polyurethane, aliphatic polyether
- **Key attribute:** Eliminates need for glass surface primer, clear, non yellowing and contains additive package for UV resistance
- On the SGCC® List of Accepted Interlayers

Typical Property		Typical Method	Value
Gauge			15 - 75 mils (375 - 1875 microns)
Width			Up to 60" (1.52 m)
Length			Up to 500 lin-ft (152.4 m)
Durometer		ASTM D-2240	70A
Tensile strength @ 100%		ASTM D-638 (Die-IV used with grip separation rate of 20-in./min. on SU 50-mil film)	360 psi (2.48 MPa)
Tensile strength @ 200%			570 psi (3.93 MPa)
Tensile strength @ 300%			1022 psi (7.05 MPa)
Tensile strength @ break			5800 psi (39.99 MPa)
Tear strength		ASTM D-624	275pli (48.13 kN/m)
DSC mid point, T _g °C		N/A	-60
TMA peak		N/A	190.4°F (88°C)
TMA range		N/A	149 - 266°F (65 - 130°C)
Coefficient of thermal expansion		N/A	~0.0002 L/Lo °C
Compression set, 22 hrs	@ 72°F/22°C	ASTM D-395	23
	@ 158°F/70°C		95
Haze*		ASTM D-1003	<1%
Visible Light Transmission*			85 - 95%
UV Transmission*			<1% up to 380nm
Yellowness index*		ASTM E - 313	<1

* Film tested between two pieces of 1/8-in. glass; sample size 4" x 4" x 50-mil; lamination temp 175°F, time & pressure: 2-min. @ 400#, 2-min. @ 600#, 2-min. @ 1000#