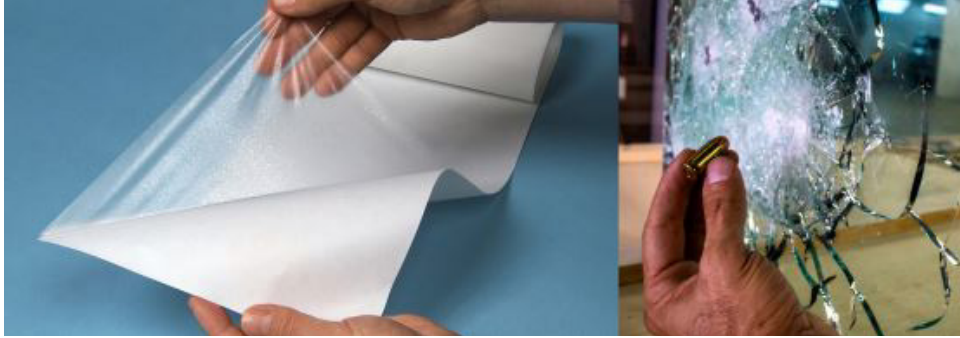


AFFIX™ GL-500
Glass Lamination Optical Interlayer Film



General Description and Use	
AFFIX™ Number	GL-500
Typical application	Glass lamination optical interlayer film
Polymer	Thermoplastic polyurethane, aliphatic polyether
Extrusion method	Flat die
Gauge	15 - 75 mils (375 - 1875 microns)
Width	Up to 60 inches (1.52 meters)
Length	Up to 500 lin-ft (152.4 meters)
Key attributes	<ul style="list-style-type: none"> ■ Eliminates need for glass surface primer ■ Clear, non-yellowing ■ Contains additive package for UV resistance

Typical Properties	Test Method	Value	
Durometer	ASTM D-2240	70A	
Specific gravity	ASTM D-792	1.08	
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)	
Elongation @ break		540%	
Tear strength	ASTM D-624	275 pli (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	ASTM D-395	@72°F/22°C	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"x4"x50-mil; lamination temp 175°F; time & pressure: 2-min. @ 400#, 2-min. @ 600#, 2-min. @ 1000#.

CONTACT US:

Shadowline Polimer / Atatürk Mahallesi Erzincan Sokak No:19 34758 Ataşehir, İstanbul/Türkiye
T: + 90 216 575 1162 | F: + 90 216 577 2549 | info@shadowline.com.tr

