



DONKSESTENWEG 13  
B-2930 BRASSCHAAT  
BELGIUM



**OPTICAL LAMINATING FILMS**

**PRODUCT DATA**

**PF-2500**

Aliphatic Polyurethane  
Laminating Adhesive Film

POLYFLEX **PF-2500** is a Polyether based Light stable polyurethane Laminating Adhesive specifically designed for glass and glass-Plastic optical laminate applications.

Polyflex PF-2500 is one of a full range of Optical Laminating Interlayers offered to the Glass industry for High Optical quality transparencies.

#### **PF-2500 Performance Features**

- Excellent adhesion to multiple substrates
- Good Low Temperature Stability
- UV stable
- Contains Adhesion promoter
- Low Laminating Temperature

#### **PF-2500 APPLICATIONS**

- Security Glazing for Buildings (Prisons, Banks, Government, Military)
- Vehicle armoring
- Electronics applications
- Solar Cells (Photovoltaic)

#### **Product Configuration**

PF-2500 is available in Roll Form, in thickness from .015 inch (0.38mm) to 0.80 inch (2.0mm), and widths from 1000 mm to 1800 mm.

Standard thicknesses are : 0.38mm ; 0.76mm and 1.25mm  
Standard Widths are 1000 mm; 1270mm; and 1520mm

TEL: 32(0)3-650-16-90  
FAX: 32(0)3-650-16-99

[WWW.POLYMAR.COM](http://WWW.POLYMAR.COM)  
[BALEMONTE@POLYMAR.COM](mailto:BALEMONTE@POLYMAR.COM)

<b>PHYSICAL PROPERTIES</b>	<b>Test Method</b>	<b>Typical Value</b>
<b>Durometer (Shore A)</b>	ASTM D2240	64
<b>Specific Gravity</b>	ASTM D792	1.08
<b>100% Modulus (psi)</b>	ASTM D412	350
<b>200% Modulus (psi)</b>	ASTM D412	
<b>300% Modulus (psi)</b>	ASTM D412	630
<b>Ultimate Tensile Strength (psi)</b>	ASTM D412	3500
<b>Ultimate Elongation %</b>	ASTM D412	600
<b>Tear Resistance (pli)</b>	ASTM D624	260
<b>TMA Peak °C</b>		
<b>TMA Range , °C</b>		
<b>Tg</b>	ASTM D3418	- 60 °C
<b>Haze</b>	ASTM D1003	< 0.5 %
<b>Light Transmission %</b>	ASTM D1003	85 - 95
<b>Refractive Index</b>	ASTM D542	1.496
<b>Yellowness Index</b>	ASTM D1925	< 1.0

### **TYPICAL LAMINATING CONDITIONS**

AUTOCLAVE TEMPERATURES 90 -130 °C

AUTOCLAVE PRESSURE 10-12 Bar.

DWELL TIME AT TEMPERATURE: 60 - 90 MINUTES