



DONKSESTENWEG 13
B-2930 BRASSCHAAT
BELGIUM



OPTICAL LAMINATING FILMS

PRODUCT DATA

PF-1300

Aliphatic Polyurethane
Laminating Adhesive Film

POLYFLEX **PF-1300** is a Polyether based Light stable polyurethane Laminating Adhesive specifically designed for glass and glass-Plastic optical laminate applications.

Polyflex PF-1300 is one of a full range of Optical Laminating Interlayers offered to the Glass industry for High Optical quality transparencies.

PF-1300 Performance Features

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

PF-1300 APPLICATIONS

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

Product Configuration

PF-1300 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

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PHYSICAL PROPERTIES	Test Method	Typical Value
Durometer (Shore A)	ASTM D2240	78
Specific Gravity	ASTM D792	1.08
100% Modulus (psi)	ASTM D412	480
200% Modulus (psi)	ASTM D412	1200
300% Modulus (psi)	ASTM D412	1800
Ultimate Tensile Strength (psi)	ASTM D412	5800
Ultimate Elongation %	ASTM D412	500
Tear Resistance (pli)	ASTM D624	300
TMA Peak °C		88
TMA Range , °C		65 - 130
Tg	ASTM D3418	- 60 °C
Haze	ASTM D1003	< 0.5 %
Light Transmission %	ASTM D1003	85 - 95
Refractive Index	ASTM D542	1.496
Yellowness Index	ASTM D1925	< 1.0

TYPICAL LAMINATING CONDITIONS

AUTOCLAVE TEMPERATURES 90 -130 °c

AUTOCLAVE PRESSURE 10-12 Bar.

DWELL TIME AT TEMPERATURE: 60 - 90 MINUTES