



DONKSESTENWEG 13
B-2930 BRASSCHAAT
BELGIUM



OPTICAL LAMINATING FILMS

NEW PRODUCT INTRODUCTION
PF-6000 EXTREME SERIES

PRODUCT DATA

PF-6100

Aliphatic Polyurethane
Laminating Adhesive Film

POLYFLEX **PF-6100** is a **HIGH PERFORMANCE, NEW GENERATION** polyurethane Laminating Adhesive specifically designed for glass and glass-Plastic optical laminate applications.

Polyflex PF-6100 is one of a full range of Optical Laminating Interlayers offered to the Glass industry for High Optical quality transparencies.

Polyflex PF-6100 is specifically designed for high performance applications requiring extreme impact resistance at both high and low temperature ranges

It contains a unique anti-UV additive; exhibits high hardness, flexibility, excellent mechanical and hydrolysis resistance.

PF-6100 Performance Features

- Excellent adhesion to multiple substrates
- Excellent Low and High Temperature Stability
- UV stable (Improved UV protection)
- Contains Adhesion promoter
- Low Laminating Temperature

PF-6100 APPLICATIONS

- Security Glazing for Buildings (Government, Military)
- Vehicle armoring (Military)
- Military Electronics applications
- Aerospace

Product Configuration

PF-6100 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
BALEMONTE@POLYMAR.COM

PHYSICAL PROPERTIES	Test Method	Typical Value
Durometer (Shore A)	ASTM D2240	98A / 68D
Specific Gravity	ASTM D792	1.10
100% Modulus (psi)	ASTM D412	2460
200% Modulus (psi)	ASTM D412	3800
300% Modulus (psi)	ASTM D412	
Ultimate Tensile Strength (psi)	ASTM D412	5840
Ultimate Elongation %	ASTM D412	294
Tear Resistance (pli)	ASTM D624	
TMA Peak °C		
TMA Range , °C		
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 98 -130 °C

AUTOCLAVE PRESSURE 10-12 Bar.

DWELL TIME AT TEMPERATURE: 60 - 90 MINUTES