

AFFIX™ GL-600

Aliphatic Polyether TPU Interlayer Film



PRODUCT DESCRIPTION

AFFIX® GL-600 is a developmental high performance aliphatic polyether TPU interlayer film that provides the unique combination of high and low temperature impact resistance in one product.

AFFIX® GL-600 is a high-end optical aliphatic TPU film for glass and plastic glazing applications.

PERFORMANCE FEATURES

- Excellent laminated transparency
- Excellent impact / penetration resistance at both high and low temperatures
- Good low temperature flexibility
- Enhanced UV stability
- High hardness
- High tensile and tear strength
- Typical autoclave processing parameters
- Contains adhesion promoter

APPLICATIONS

- Bullet Resistant Glazing
- Vehicle Armoring
- Architectural Security Glazing
- Aerospace & Rail
- Intrusion Resistant Glazing
- Blast Resistant Glazing

Property	Test Method	Unit	Value
Color	/	/	Matte
Thickness	GB/T 6672-2001	mm	0.38/0.63/0.76/1.25/1.9
Specific Gravity	ASTM D792	g/cm ³	1.08
Width	GB/T 6673	mm	Up to 1530
Ultimate Tensile Strength	ASTM D412	psi	6000
Ultimate Elongation	ASTM D412	%	520
Tensile Modulus at 100%	ASTM D882	psi	350
Tensile Modulus at 200%	ASTM D882	psi	560
Tensile Modulus at 300%	ASTM D882	psi	1000
Tear Strength	ASTM D624	kN/m	47
DSC Mid Point Tg	DSC	°C	-60
TMA Peak	DSC	°C	88
TMA Range	DSC	°C	65-130
Haze	ASTM D1003 (after processing)	%	<1
Transmission	ASTM D1003 (after processing)	%	85-95
Yellowness	ASTM E313	/	<1

CONTACT US:

Stockholmer Platz 1, 70173, Stuttgart, Germany
+49 711 87089000
info@apspolymer.de
www.apspolymer.de

For UK:

www.apspolymer.co.uk
sales@apspolymer.co.uk

