

Technical Data Sheet

Type: Estane® AG 4350 is a Polyether based aliphatic polyurethane specifically formulated to be used as an adhesive interlayer without the need for a glass surface primer. This polymer is designed for flat die extrusion into sheet and film.

Features: Designed for the lamination of optical transparencies using dissimilar products such as glass, polycarbonate, acrylic and cellulose acetate butyrate (CAB).

Uses: Mid to low modulus, excellent low temperature impact resistance and tensile strength this is ideal for large span curved transparencies.

Physical Properties	Value	Unit	Test Method
Ultimate Tensile Strength	3500	psi	D412
Ultimate Elongation	550	%	D412
Tensile Modulus			
- At 50%	450	psi	D412
- At 200%	850	psi	D412
- At 300%	1200	psi	D412
Tear Strength	290	lb/in	ASTM D624, Die C
Specific Gravity	1.05		D792
DSC Mid Point, Tg	-60	°C	Lubrizol DSC
TMA Peak	99	°C	Lubrizol TMA
TMA Range	65-110	°C	Lubrizol TMA
Coefficient of Thermal Expansion	~0.0002	L/Lo °C	Lubrizol CTE-TMA Method
Typical Properties			
Haze	0 to 0.3	%	D1003
Transmission	85 to 95	%	D1003
Yellowness Index	<1		D1925
Refractive Index	1.4878		D542-95

- ASTM D412 grip separation rate – 20 inches per minute.
- 0.050" film thickness between two pieces of 1/8" glass.

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