

## Lubrizol Estane® AG 4950 Thermoplastic Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP , Thermoplastic Polyurethane (TPUR), Polyether Grade

### Material Notes:

Type: Estane® AG 4950 is a polyether based aliphatic thermoplastic polyurethane (TPU) specifically formulated to be used as an adhesive interlayer in transparencies for electronic displays, aerospace, architectural and transportation applications. Features: Low modulus, low temperature processing adhesive for difficult glass-clad polycarbonate structures. Uses: For difficult asymmetrical glass clad and plastic laminates. Available in Americas Information Provided by The Lubrizol Corporation

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lubrizol-Estane-AG-4950-Thermoplastic-Polyurethane.php](http://www.lookpolymers.com/polymer_Lubrizol-Estane-AG-4950-Thermoplastic-Polyurethane.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.06 g/cc	1.06 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	24.1 MPa	3500 psi	ASTM D412
Elongation at Break	770 %	770 %	ASTM D412
100% Modulus	0.00234 GPa	0.340 ksi	ASTM D412
200% Modulus	0.00328 GPa	0.475 ksi	ASTM D412
300% Modulus	0.00448 GPa	0.650 ksi	ASTM D412

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-60.0 °C	-76.0 °F	DSC

Optical Properties	Metric	English	Comments
Refractive Index	1.486	1.486	ASTM D542-95
Haze	0.30 %	0.30 %	ASTM D1003
Yellow Index	<= 1.0 %	<= 1.0 %	ASTM D1925
Transmission, Visible	90 %	90 %	ASTM D1003

Descriptive Properties	Value	Comments
TMA Peak (°C)	92	
TMA Range (°C)	60-140	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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