

## Lubrizol Estane® AG 9550 Thermoplastic Polyurethane

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

### Material Notes:

Type: Estane® AG 9550 is a polyether based aliphatic polyurethane designed for flat die extrusion into film and sheet products. Features: Very tough, high modulus, high tear and tensile properties that will impart good impact resistance to bullet-resistant applications. Excellent impact and UV resistance. Uses: Designed for the lamination of glass to glass laminates with exposed edges. Information Provided by The Lubrizol Corporation

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lubrizol-Estane-AG-9550-Thermoplastic-Polyurethane.php](http://www.lookpolymers.com/polymer_Lubrizol-Estane-AG-9550-Thermoplastic-Polyurethane.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	62.1 MPa	9000 psi	ASTM D412
Elongation at Break	375 %	375 %	ASTM D412
100% Modulus	0.0124 GPa	1.80 ksi	ASTM D412
200% Modulus	0.0172 GPa	2.50 ksi	ASTM D412
300% Modulus	0.0296 GPa	4.30 ksi	ASTM D412
Tear Strength	77.1 kN/m	440 pli	Die C; ASTM D624

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-35.0 °C	-31.0 °F	DSC

Optical Properties	Metric	English	Comments
Refractive Index	1.499	1.499	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)	155	
TMA Range (°C)	90-200	

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

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