

Lubrizol Estane® AG 4350 Thermoplastic Polyurethane

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

Material Notes:

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. Available in Americas Information Provided by The Lubrizol Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Estane-AG-4350-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	24.1 MPa	3500 psi	ASTM D412
Elongation at Break	550 %	550 %	ASTM D412
100% Modulus	0.00310 GPa	0.450 ksi	ASTM D412
200% Modulus	0.00586 GPa	0.850 ksi	ASTM D412
300% Modulus	0.00827 GPa	1.20 ksi	ASTM D412
Tear Strength	50.8 kN/m	290 pli	Die C; ASTM D624

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

Optical Properties	Metric	English	Comments
Refractive Index	1.4878	1.4878	ASTM D542-95
Haze	0.00 - 0.30 %	0.00 - 0.30 %	ASTM D1003
Yellow Index	<= 1.0 %	<= 1.0 %	ASTM D1925
Transmission, Visible	85 - 95 %	85 - 95 %	ASTM D1003

Descriptive Properties	Value	Comments
TMA Peak (°C)	99	

TMA Range (°C) Descriptive Properties	65-110 Value	Comments
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