

## Lubrizol Estane® ALR E50D Thermoplastic Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP

### Material Notes:

Type: Estane® ALR E50D is a clear aliphatic thermoplastic polyurethane (TPU).Features: Non-yellowing with good mechanical properties.Available in AmericasInformation Provided by The Lubrizol Corporation

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lubrizol-Estane-ALR-E50D-Thermoplastic-Polyurethane.php](http://www.lookpolymers.com/polymer_Lubrizol-Estane-ALR-E50D-Thermoplastic-Polyurethane.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.09 g/cc	1.09 g/cc	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0080 cm/cm	0.0040 - 0.0080 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	51	51	ASTM D2240
Tensile Strength, Ultimate	57.2 MPa	8300 psi	ASTM D412
Elongation at Break	360 %	360 %	ASTM D412
100% Modulus	0.0124 GPa	1.80 ksi	ASTM D412
200% Modulus	0.0200 GPa	2.90 ksi	ASTM D412
300% Modulus	0.0386 GPa	5.60 ksi	ASTM D412
Flexural Modulus	0.0896 GPa	13.0 ksi	ASTM D790

## Contact Songhan Plastic Technology Co.,Ltd.

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