

## Lubrizol Estane® ALR PC55D Thermoplastic Polyurethane

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/Thermoplastic Polyurethane Blend , Polyurethane, TP

### Material Notes:

Type: Estane® ALR PC60D is a polycarbonate diol based thermoplastic polyurethane (TPU). Features: Hydrolytically stable, very durable Available in Americas, Europe, Middle East, Africa, India and Asia Information Provided by The Lubrizol Corporation

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lubrizol-Estane-ALR-PC55D-Thermoplastic-Polyurethane.php](http://www.lookpolymers.com/polymer_Lubrizol-Estane-ALR-PC55D-Thermoplastic-Polyurethane.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 g/cc	1.15 g/cc	ASTM D792
Linear Mold Shrinkage	0.0060 - 0.010 cm/cm	0.0060 - 0.010 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	55	55	ASTM D2240
Tensile Strength, Ultimate	50.3 MPa	7300 psi	ASTM D412
Elongation at Break	370 %	370 %	ASTM D412
100% Modulus	0.0103 GPa	1.50 ksi	ASTM D412
200% Modulus	0.0159 GPa	2.30 ksi	ASTM D412
300% Modulus	0.0324 GPa	4.70 ksi	ASTM D412
Flexural Modulus	0.165 GPa	24.0 ksi	ASTM D790

## Contact Songhan Plastic Technology Co.,Ltd.

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