

Lubrizol Estane® ALR E87A Thermoplastic Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

Type: Estane® ALR E87A 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-E87A-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 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 A	87	87	ASTM D2240
Tensile Strength, Ultimate	53.1 MPa	7700 psi	ASTM D412
Elongation at Break	390 %	390 %	ASTM D412
100% Modulus	0.00689 GPa	1.00 ksi	ASTM D412
200% Modulus	0.0131 GPa	1.90 ksi	ASTM D412
300% Modulus	0.0296 GPa	4.30 ksi	ASTM D412
Flexural Modulus	0.0221 GPa	3.20 ksi	ASTM D790

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