

Lubrizol Estane® ALR E80A Thermoplastic Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

Type: Estane® ALR E80A is a clear aliphatic thermoplastic polyurethane (TPU).Features: Non-yellowing with good mechanical properties.Information Provided by The Lubrizol Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Estane-ALR-E80A-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Linear Mold Shrinkage	0.0080 - 0.012 cm/cm	0.0080 - 0.012 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	77	77	ASTM D2240
Tensile Strength, Ultimate	42.7 MPa	6200 psi	ASTM D412
Tensile Strength, Yield	4.14 MPa	600 psi	at 100%; ASTM D412
	6.21 MPa	900 psi	at 200%; ASTM D412
	9.65 MPa	1400 psi	at 300%; ASTM D412
Elongation at Break	550 %	550 %	ASTM D412
Flexural Modulus	0.0159 GPa	2.30 ksi	ASTM D790

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