

Lubrizol Estane® ALR PC60D 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
Information Provided by The Lubrizol Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Estane-ALR-PC60D-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	60	60	ASTM D2240
Tensile Strength, Ultimate	50.3 MPa	7300 psi	ASTM D412
Tensile Strength, Yield	10.3 MPa	1500 psi	at 100%; ASTM D412
	15.9 MPa	2300 psi	at 200%; ASTM D412
	32.4 MPa	4700 psi	at 300%; ASTM D412
Elongation at Break	370 %	370 %	ASTM D412
Flexural Modulus	0.165 GPa	24.0 ksi	ASTM D790

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