

Lubrizol Estane® ALR PC85A Thermoplastic Polyurethane

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

Material Notes:

Type: Estane® ALR PC85A is a polycarbonate diol based thermoplastic polyurethane (TPU).Features: Hydrolytically stable, very durableAvailable in Americas, Europe, Middle East, Africa, India and AsiaInformation Provided by The Lubrizol Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Estane-ALR-PC85A-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 g/cc	1.15 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	84	84	ASTM D2240
Tensile Strength, Ultimate	41.4 MPa	6000 psi	ASTM D412
Elongation at Break	410 %	410 %	ASTM D412
100% Modulus	0.00552 GPa	0.800 ksi	ASTM D412
200% Modulus	0.00621 GPa	0.900 ksi	ASTM D412
300% Modulus	0.0152 GPa	2.20 ksi	ASTM D412
Flexural Modulus	0.0103 GPa	1.50 ksi	ASTM D790

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