

Lubrizol Estane® ALR CL65D Thermoplastic Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

Type: Estane® ALR CL650 is an aliphatic, polycaprolactone-based TPU with a Shore D Durometer of 65. Features: Contains a UV package that enhances outdoor weatherability. This high performance resin is clear, UV resistant, it will not discolor and has excellent mechanical properties. Uses: Outdoor applications, protective films and graphics. Information Provided by The Lubrizol Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Estane-ALR-CL65D-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	ASTM D792
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 175 °C	2.0 g/10 min @Load 4.76 lb, Temperature 347 °F	ASTM D1230

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65 @Time 5.00 sec	65 @Time 0.00139 hour	ASTM D2240
Tensile Strength, Ultimate	64.5 MPa	9350 psi	ASTM D412
Tensile Strength, Yield	22.4 MPa	3250 psi	at 100%; ASTM D412
	28.6 MPa	4150 psi	at 200%; ASTM D412
Elongation at Break	340 %	340 %	ASTM D412
Flexural Modulus	0.379 GPa	55.0 ksi	ASTM D790

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