

Lubrizol Estane® ALR CL60D Thermoplastic Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

Type: Estane® ALR CL600 is a Shore D thermoplastic polyurethane (TPU) resin.Features: Contains a UV package that enhances outdoor weatherability, but does not contain lubricants or wax processing aids.Uses: Outdoor applicationsInformation Provided by The Lubrizol Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Estane-ALR-CL60D-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	ASTM D792
Melt Flow	3.2 g/10 min	3.2 g/10 min	ASTM D1230
	@Load 2.16 kg, Temperature 175 °C	@Load 4.76 lb, Temperature 347 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	57	57	ASTM D2240
Tensile Strength, Ultimate	64.5 MPa	9350 psi	ASTM D412
Tensile Strength, Yield	15.07 MPa	2185 psi	at 100%; ASTM D412
	25.96 MPa	3765 psi	at 200%; ASTM D412
Elongation at Break	370 %	370 %	ASTM D412
Flexural Modulus	0.0634 GPa	9.20 ksi	ASTM D790

Processing Properties	Metric	English	Comments
Feed Temperature	175 °C	347 °F	
Middle Barrel Temperature	180 °C	356 °F	
Nozzle Temperature	185 °C	365 °F	
Melt Temperature	185 °C	365 °F	

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