

Lubrizol Estane® ALR CL87A Thermoplastic Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

Type: Estane® ALR CL87A is an aliphatic, polycaprolactone-based TPU with a Shore A Durometer of 85-90. 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. Available in Americas, Europe, Middle East, Africa, India and Asia. Information Provided by The Lubrizol Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Estane-ALR-CL87A-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	ASTM D792
Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 175 °C	5.0 g/10 min @Load 4.76 lb, Temperature 347 °F	ASTM D1230

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	85 - 90 @Time 5.00 sec	85 - 90 @Time 0.00139 hour	ASTM D2240
Tensile Strength, Ultimate	62.16 MPa	9015 psi	ASTM D412
Elongation at Break	410 %	410 %	ASTM D412
100% Modulus	0.00689 GPa	1.00 ksi	ASTM D412
300% Modulus	0.0157 GPa	2.28 ksi	ASTM D412
Flexural Modulus	0.0214 GPa	3.10 ksi	ASTM D790

Processing Properties	Metric	English	Comments
Zone 1	165 °C	329 °F	Extrusion
Zone 2	170 °C	338 °F	Extrusion
Zone 3	175 °C	347 °F	Extrusion
Zone 4	180 °C	356 °F	Extrusion
Die Temperature	180 °C	356 °F	Extrusion
Melt Temperature	180 °C	356 °F	Extrusion

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China