

Lubrizol Estane® ALR G2000 Water Absorbent Thermoplastic Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

Type: Estane® ALR G2000 is an aliphatic thermoplastic polyurethane (TPU) resin designed to absorb water and transport moisture. Features: Contains UV additives Available in Americas Information Provided by The Lubrizol Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Estane-ALR-G2000-Water-Absorbent-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.16 g/cc	1.16 g/cc	ASTM D792
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 100 °C	10 g/10 min @Load 4.76 lb, Temperature 212 °F	ASTM D1230

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	Dry; ASTM D2240
Tensile Strength, Ultimate	5.17 MPa	750 psi	Dry weak gel; ASTM D412
Elongation at Break	100 %	100 %	Dry weak gel; ASTM D412

Processing Properties	Metric	English	Comments
Zone 1	100 °C	212 °F	
Zone 2	105 °C	221 °F	
Zone 3	110 °C	230 °F	
Zone 4	115 °C	239 °F	
Die Temperature	115 °C	239 °F	
Melt Temperature	115 °C	239 °F	
Drying Temperature	43.3 °C	110 °F	forced air desiccant dryer
Dry Time	4.00 hour	4.00 hour	

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