

Lubrizol Estane® T370A Thermoplastic Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP , Thermoplastic Polyurethane (TPUR), Polyether Grade

Material Notes:

Type: Estane® T370A is a Shore 74A, polyether grade, plasticizer-free, with low hardness thermoplastic polyurethane (TPU). Uses: Injection Molding, Extrusion. Availability: Asia Information Provided by The Lubrizol Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Estane-T370A-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.06 g/cc	1.06 g/cc	ASTM D792
Linear Mold Shrinkage	0.0060 cm/cm	0.0060 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	75	75	ASTM D2240
Tensile Strength, Ultimate	24.5 MPa	3560 psi	ASTM D412
Tensile Strength, Yield	3.14 MPa	455 psi	at 100% elongation; ASTM D412
	5.59 MPa	811 psi	at 300% elongation; ASTM D412
Elongation at Break	900 %	900 %	ASTM D412
Tear Strength	68.6 kN/m	392 pli	Die C; ASTM D624
Compression Set	10 %	10 %	ASTM D395
	@Temperature 23.0 °C, Time 79200 sec	@Temperature 73.4 °F, Time 22.0 hour	
	30 %	30 %	ASTM D395
	@Temperature 70.0 °C, Time 79200 sec	@Temperature 158 °F, Time 22.0 hour	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	70.0 °C	158 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Feed Temperature	185 - 190 °C	365 - 374 °F	
Nozzle Temperature	195 - 205 °C	383 - 401 °F	
Mold Temperature	10.0 - 40.0 °C	50.0 - 104 °F	

Drying Temperature Processing Properties	70.0 - 80.0 °C Metric	158 - 176 °F English	Comments
Dry Time	4.00 - 5.00 hour	4.00 - 5.00 hour	
Injection Pressure	8.27 - 13.8 MPa	1200 - 2000 psi	
Hold Pressure	5.52 - 9.65 MPa	800 - 1400 psi	
Back Pressure	0.207 - 0.552 MPa	30.0 - 80.0 psi	
Cycle Time - Injection	34 - 50 sec	34 - 50 sec	
Screw Speed	160 - 200 rpm	160 - 200 rpm	

Descriptive Properties	Value	Comments
Injection time (s)	10-15	
Metering Zone	190-200°C	

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