

Lubrizol Estane® ZHF 78AT0 Thermoplastic Polyurethane, Flame Retardant

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

Material Notes:

Type: Estane® ZHF 78AT0 NAT021 is a soft, polyether based, NHFR thermoplastic polyurethane (TPU) compound. Features: Soft, transparent, flame retardant. Uses: Wire and Cable Available in 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-ZHF-78AT0-Thermoplastic-Polyurethane-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	ISO 2781
Maximum Moisture Content	0.020	0.020	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	78 @Time 3.00 sec	78 @Time 0.000833 hour	ISO 868
Tensile Strength, Ultimate	30.1 MPa	4370 psi	ISO 527
Elongation at Break	670 %	670 %	ISO 527
50% Modulus	0.00350 GPa	0.508 ksi	
100% Modulus	0.00450 GPa	0.653 ksi	
300% Modulus	0.00750 GPa	1.09 ksi	
Tear Strength	85.2 kN/m	486 pli	Without Nick; ISO 34-1B

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-0	V-0	

Processing Properties	Metric	English	Comments
Zone 1	160 °C	320 °F	
Zone 2	175 °C	347 °F	
Zone 3	180 °C	356 °F	
Zone 4	190 °C	374 °F	
Adapter Temperature	185 °C	365 °F	

Die Temperature Processing Properties	175 °C Metric	347 °F English	tip Comments
	180 °C	356 °F	
	180 °C	356 °F	
Drying Temperature	104 °C	219 °F	
Dry Time	3.00 hour	3.00 hour	
Dew Point	-40.0 °C	-40.0 °F	

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