

Lubrizol ESTANE® 58244 Ether Based Thermoplastic Polyurethane

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyurethane, TP , Thermoplastic Polyurethane, Elastomer, Ether Grade

Material Notes:

Features: Non-Halogenated flame retardant compound
Uses: Extrusion – wire and cable and general extrusion where flame retardant properties are required
Available in Americas, Europe, Middle East, Africa, India and Asia
Information provided by Lubrizol.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-ESTANE-58244-Ether-Based-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792
Loss On Ignition	28 %	28 %	ASTM D2863
Maximum Moisture Content	0.020	0.020	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	87 - 93 @Time 5.00 sec	87 - 93 @Time 0.00139 hour	ASTM D2240
Tensile Strength	13.8 MPa	2000 psi	ASTM D412
Elongation at Break	640 %	640 %	ASTM D412
100% Modulus	0.00690 GPa	1.00 ksi	ASTM D412
300% Modulus	0.00760 GPa	1.10 ksi	ASTM D412
Tear Strength	193 kN/m	1100 pli	Trouser; ASTM D470
Graves Tear Strength	175 kN/m	1000 pli	Die C; ASTM D624
Taber Abrasion, mg/1000 Cycles	350	350	H18, 1000g; ASTM D3389

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

Processing Properties	Metric	English	Comments
Zone 1	182 °C	360 °F	Extrusion
Zone 2	188 °C	370 °F	Extrusion
Zone 3	194 °C	381 °F	Extrusion
Zone 4	196 °C	385 °F	Extrusion

Processing Properties	Metric	English	Comments
Die Temperature	188 °C	370 °F	Zone 2, Extrusion
	194 °C	381 °F	Zone 1, Extrusion
Drying Temperature	104 °C	219 °F	
Dry Time	2.00 - 4.00 hour	2.00 - 4.00 hour	
Dew Point	-40.0 °C	-40.0 °F	

Descriptive Properties	Value	Comments
Smoke Index	24	NES 711

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