

## Lubrizol ESTANE® 58211 Ether Based Thermoplastic Polyurethane

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

### Material Notes:

Features: Halogenated flame retardant compound – High hardness  
Uses: Extrusion – wire and cable jacketing 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-58211-Ether-Based-Thermoplastic-Polyurethane.php](http://www.lookpolymers.com/polymer_Lubrizol-ESTANE-58211-Ether-Based-Thermoplastic-Polyurethane.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.29 g/cc	1.29 g/cc	ASTM D792
Loss On Ignition	32 %	32 %	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	27.9 MPa	4050 psi	ASTM D412
Elongation at Break	340 %	340 %	ASTM D412/D638
100% Modulus	0.00860 GPa	1.25 ksi	ASTM D412
300% Modulus	0.0148 GPa	2.15 ksi	ASTM D412
Tear Strength	21.9 kN/m	125 pli	ASTM D470
Graves Tear Strength	84.1 kN/m	480 pli	Die C; ASTM D624
Taber Abrasion, mg/1000 Cycles	2.0	2.0	H18, 1000g; ASTM D3389 B

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-38.0 °C	-36.4 °F	DSC
Flammability Test	5.0	5.0	

Processing Properties	Metric	English	Comments
Zone 1	183 °C	361 °F	Extrusion
Zone 2	188 °C	370 °F	Extrusion
Zone 3	196 °C	385 °F	Extrusion

Processing Properties	Metric	English	Comments
Adapter Temperature	202 °C	396 °F	5, Extrusion
Die Temperature	196 °C	385 °F	Zone 2, Extrusion
	202 °C	396 °F	Zone 1, 6, 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	

## Contact Songhan Plastic Technology Co.,Ltd.

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