

Lubrizol ESTANE® 58226 Ester Based Thermoplastic Polyurethane

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

Material Notes:

Features: Excellent physical properties, good chemical resistance and enhanced hydrolysis resistance. Wide processing window for extrusion. Uses: Blown and flat die/cast film extrusion, Injection and blow molding. 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-58226-Ester-Based-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	ASTM D792
Maximum Moisture Content	0.020	0.020	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	89 - 95	89 - 95	ASTM D2240
	@Time 5.00 sec	@Time 0.00139 hour	
Tensile Strength	58.99 MPa	8556 psi	28 days immersion in Diesel Fuel
	60.85 MPa	8826 psi	15 days immersion in Diesel Fuel
	62.1 MPa	9010 psi	ASTM D412
Elongation at Break	500 %	500 %	ASTM D412/D638
100% Modulus	0.00760 GPa	1.10 ksi	ASTM D412
300% Modulus	0.0207 GPa	3.00 ksi	ASTM D412
Tear Strength	26.3 kN/m	150 pli	Trouser; ASTM D470
Graves Tear Strength	99.9 kN/m	570 pli	Die C; ASTM D624
Taber Abrasion, mg/1000 Cycles	40	40	H18, 1000g; ASTM D3389
Tensile Set	21 %	21 %	200% elongation; ASTM D412

Thermal Properties	Metric	English	Comments
Melting Point	140 °C	284 °F	DSC
Vicat Softening Point	83.9 °C	183 °F	ASTM D1525
Glass Transition Temp, Tg	-25.0 °C	-13.0 °F	DSC

Processing Properties	Metric	English	Comments
Zone 1	182 °C	360 °F	Extrusion
Zone 2	188 °C	370 °F	Extrusion
Zone 3	193 °C	379 °F	Extrusion
Zone 4	199 °C	390 °F	Extrusion
Adapter Temperature	204 °C	399 °F	5, Extrusion
Die Temperature	204 °C	399 °F	Zone 1, 6, Extrusion
	204 °C	399 °F	Zone 2, 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
Volume swell in Diesel Fuel	8%	24 hr, ASTM D471

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