

Lubrizol Advanced Materials PEARLTHANE® 18VT80 Thermoplastic Polyurethane Elastomer (discontinued **)

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

Material Notes:

PEARLTHANE® 18VT80 is a polyether based TPU, supplied in form of translucent, colorless pellets, combining hardness with excellent mechanical properties and superior hydrolysis and microbe resistance. PEARLTHANE® 18VT80 features a high moisture vapor transmission. PEARLTHANE® 18VT80 can be used for blown- and cast films for a wide variety of applications such as textile lamination. In addition, specific masterbatches for thin films are available. We strongly recommend the use of Pearlthane® MB52BK to ease the processing of this grade. All information provided by Merquinsa

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Advanced-Materials-PEARLTHANE-18VT80-Thermoplastic-Polyurethane-Elastomer-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792
Water Vapor Transmission	8000 g/m ² /day	515 g/100 in ² /day	38%, 90%RH; DIN 53.122
Melt Flow	10 g/10 min @Load 21.6 kg	10 g/10 min @Load 47.6 lb	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	81	81	ASTM D2240
Tensile Strength, Yield	30.05 MPa	4359 psi	ASTM D412
Elongation at Break	670 %	670 %	ASTM D412
100% Modulus	0.00501 GPa	0.726 ksi	ASTM D412
300% Modulus	0.009018 GPa	1.308 ksi	ASTM D412
Tear Strength	75.4 kN/m	430 pli	ASTM D624 (Die C)
Abrasion	44	44	loss (mm ³); DIN 53.516

Thermal Properties	Metric	English	Comments
Melting Point	173 - 183 °C	343 - 361 °F	MQSA 111
Glass Transition Temp, Tg	-31.1 °C	-24.0 °F	DSC, 18°F/min; DIN 51.007

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