

Westlake Plastics Dielux® PTFE filled Acetal Copolymer

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, PTFE Filled

Material Notes:

Dielux PTFE filled acetal copolymer is an outstanding bearing and wear material for use in both wet and dry environments. It is frequently used in place of traditional metal and plastic bearing materials when low friction, excellent wear properties, and good dimensional stability are required. The PTFE filler allows Dielux to be used without additional lubricants in applications where grease and oil are undesirable.

Information provided by Westlake Plastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-Plastics-Dielux-PTFE-filled-Acetal-Copolymer.php

Physical Properties	Metric	English	Comments
Density	1.51 g/cc	0.0546 lb/in ³	ASTM D792
Water Absorption	0.20 %	0.20 %	ASTM D570; 24 hrs.

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	44.8 MPa	6500 psi	ASTM D638
Elongation at Break	10 - 14 %	10 - 14 %	ASTM D638
Flexural Yield Strength	68.9 MPa	10000 psi	ASTM D790
Flexural Modulus	2.07 GPa	300 ksi	ASTM D790
Izod Impact, Notched	0.427 J/cm	0.800 ft-lb/in	ASTM D256
Coefficient of Friction, Dynamic	0.070	0.070	Dry vs. Steel
Coefficient of Friction, Static	0.15	0.15	Dry vs. Steel
Limiting Pressure Velocity	0.438 MPa-m/sec	12500 psi-ft/min	100 fpm vs. Steel

Thermal Properties	Metric	English	Comments
CTE, linear	97.2 $\mu\text{m/m}\cdot\text{°C}$	54.0 $\mu\text{in/in}\cdot\text{°F}$	ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 1.8 MPa (264 psi)	98.9 °C	210 °F	ASTM D648

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