

Westlake Plastics Pomalux® Acetal Copolymer

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Unreinforced

Material Notes:

Pomalux is a high performance acetal copolymer that has excellent mechanical, electrical, and wear properties. It is engineered to provide outstanding dimensional stability, even when machining parts with complex geometries. It is a good choice for many bearing and wear applications since it has a low coefficient of friction and wears well in both wet and dry environments. Information provided by Westlake Plastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-Plastics-Pomalux-Acetal-Copolymer.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	ASTM D792
Water Absorption	0.22 %	0.22 %	ASTM D570; 24 hrs.

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	80	80	ASTM D7852
Tensile Strength, Yield	60.7 MPa	8800 psi	ASTM D638
Elongation at Break	75 %	75 %	ASTM D638
Tensile Modulus	2.83 GPa	410 ksi	ASTM D638
Flexural Modulus	2.59 GPa	375 ksi	ASTM D790
Compressive Strength	110 MPa	16000 psi	ASTM D695; at 10% Deflection
Izod Impact, Notched	0.801 J/cm	1.50 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	84.6 µm/m-°C	47.0 µin/in-°F	ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	0.231 W/m-K	1.60 BTU-in/hr-ft ² -°F	ASTM C177
Deflection Temperature at 0.46 MPa (66 psi)	157 °C	315 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	104 °C	219 °F	ASTM D648
Flammability, UL94	HB	HB	
	@Thickness 1.50 mm	@Thickness 0.0590 in	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.8 @Frequency 60 Hz	3.8 @Frequency 60 Hz	ASTM D150

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