

Westlake Plastics Pomalux® 25% GF Acetal Copolymer 25% Glass Filled

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, 30% Glass Fiber Reinforced

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-25-GF-Acetal-Copolymer-25-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.58 g/cc	0.0571 lb/in ³	ASTM D792
Water Absorption	0.29 %	0.29 %	ASTM D570; 24 hrs.

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	80	80	ASTM D7852
Tensile Strength, Yield	110 MPa	16000 psi	ASTM D638
Tensile Modulus	8.27 GPa	1200 ksi	ASTM D638
Flexural Modulus	7.24 GPa	1050 ksi	ASTM D790
Izod Impact, Notched	0.587 J/cm	1.10 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	39.6 µm/m-°C	22.0 µin/in-°F	ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 1.8 MPa (264 psi)	161 °C	322 °F	ASTM D648

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