

Westlake Plastics Pomalux® CN-F Acetal Copolymer (conductive)

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Carbon Fiber Filled

Material Notes:

Non-sloughing carbon-fiber-filled material which is extremely strong and stiff with excellent dimensional stability. Abrasion-resistant, highly chemical-resistant, with temperature resistance to 320F. Information provided by Westlake Plastics.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	1.46 g/cc	0.0527 lb/in ³	ASTM D792
Water Absorption	0.22 %	0.22 %	ASTM D570; 24 hrs.

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	88	88	ASTM D2240
Tensile Strength, Yield	82.0 MPa	11900 psi	ASTM D638
Elongation at Break	3.5 %	3.5 %	ASTM D638
Flexural Strength	98.6 MPa	14300 psi	ASTM D790
Flexural Modulus	8.446 GPa	1225 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm	1.00 ft-lb/in	ASTM D256
Izod Impact, Unnotched	1.87 J/cm	3.50 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	160 °C	320 °F	ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	100 ohm-cm - 1e+05	100 ohm-cm - 1e+05	Dry; ASTM D257
Surface Resistance	100 ohm - 1e+05	100 ohm - 1e+05	Dry; ASTM D257
Static Decay	<= 0.10 sec	<= 0.10 sec	15% RH; MIL-B-81705-B

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