

E-Polymers SEPAZ® V240A 40% Glass Fiber Reinforced PPA

Category : Polymer , Thermoplastic , Polyphthalamide (PPA) , Polyphthalamide (PPA), 40% Glass Fiber Reinforced

Material Notes:

Polyphthal Amide Resin (High Temperature Nylon): SEPAZ PPA is a unique semi-crystalline engineering plastic that bridges the cost-performance gap between traditional engineering thermoplastics and super engineering thermoplastics. SEPAZ PPA resin has excellent mechanical properties (e.g. strength, stiffness, fatigue, creep resistance) over a broad temperature range. In addition to these, special grades formulated for applications requiring flame-retardancy, glycol-resistance, typically for automotive applications, and reflectivity, typically for optoelectronic applications such as high brightness LEDs, are available. Information Provided by E-Polymers Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_E-Polymers-SEPAZ-V240A-40-Glass-Fiber-Reinforced-PPA.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.55 g/cc	1.55 g/cc	ASTM D792
Water Absorption	0.020 % @Time 86400 sec	0.020 % @Time 24.0 hour	
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	
Linear Mold Shrinkage, Transverse	0.0070 cm/cm	0.0070 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength	206.01 MPa	29879 psi	ASTM D638
Elongation at Break	2.2 %	2.2 %	ASTM D638
Flexural Strength	313.92 MPa	45530 psi	ASTM D790
Flexural Modulus	13.44 GPa	1949 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm	2.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	279 °C	534 °F	ASTM D648
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Melt Temperature	300 - 330 °C	572 - 626 °F	
Mold Temperature	135 - 160 °C	275 - 320 °F	

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