

E-Polymers TEKAPPO® JF1 Un-Reinforced Flame Retardant M-PPO

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO

Material Notes:

Modified PPO/PPE: TEKAPPO is a modified PPO/PPE, blending PPO with HIPS in order to improve HDT and processability. It displays various HDT range with halogen-free flammability, impact resistance and reinforced fiberglass. It shows high dimensional stability and rigidity used for housing and electrical parts. Information Provided by E-Polymers Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_E-Polymers-TEKAPPO-JF1-Un-Reinforced-Flame-Retardant-M-PPO.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	ASTM D792
Water Absorption	0.060 % @Time 86400 sec	0.060 % @Time 24.0 hour	
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	
Linear Mold Shrinkage, Transverse	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength	65.727 MPa	9532.9 psi	ASTM D638
Elongation at Break	20 %	20 %	ASTM D638
Flexural Strength	103.01 MPa	14940 psi	ASTM D790
Flexural Modulus	2.502 GPa	362.8 ksi	ASTM D790
Izod Impact, Notched	1.96 J/cm	3.67 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	132 °C	270 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	123 °C	253 °F	ASTM D648
Flammability, UL94	V-1	V-1	

Processing Properties	Metric	English	Comments
Melt Temperature	280 - 310 °C	536 - 590 °F	
Mold Temperature	75.0 - 105 °C	167 - 221 °F	

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