

E-Polymers TEKAPPO® JF101 Filler Reinforced Heat Resistant Dimensional Stability 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-JF101-Filler-Reinforced-Heat-Resistant-Dimensional-Stability-Flame-Retardant-M-PPO.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM D792
Water Absorption	0.060 % @Time 86400 sec	0.060 % @Time 24.0 hour	
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	
Linear Mold Shrinkage, Transverse	0.0045 cm/cm	0.0045 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength	55.917 MPa	8110.1 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Strength	103.01 MPa	14940 psi	ASTM D790
Flexural Modulus	4.199 GPa	609.0 ksi	ASTM D790
Izod Impact, Notched	0.539 J/cm	1.01 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	ASTM D648
Flammability, UL94	V-1	V-1	

Processing Properties	Metric	English	Comments
Melt Temperature	240 - 300 °C	464 - 572 °F	
Mold Temperature	50.0 - 80.0 °C	122 - 176 °F	

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