

Shinil Chemical SHINFLAME PC/PBT GF Flame Retardant Polymer Appliance

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/Polybutylene Terephthalate (PBT) Blend, Glass Filled , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

SHINFLAME is a flame retardant (FR) compound which exhibits inherent flame retardant properties during fire. Shinil uses its patented dispersion blending technology with variety of polymers to produce high performance SHINFLAME compound. SHINFLAME compounds comprise halogen or non halogen flame retardant additives in engineering thermoplastics. SHINFLAME provides a wide range of the flame performance (V0, V1, V2, HB etc), mechanical and physical properties to create the application-specific environment. Feature and Benefits
Excellent fire performance
Non halogen FR available
Environmentally friendly
RoHS compliance (selected grade)
Outstanding mechanical properties
Improved thermal properties
Easy processing
Non toxic
Information Provided by Shinil Chemical Industry Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Shinil-Chemical-SHINFLAME-PCPBT-GF-Flame-Retardant-Polymer-Appliance.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.54 g/cc	1.54 g/cc	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	118 MPa	17100 psi	
Elongation at Break	4.0 %	4.0 %	
Flexural Strength	176.58 MPa	25611 psi	
Flexural Modulus	7.26 GPa	1050 ksi	
Izod Impact, Notched	0.785 J/cm	1.47 ft-lb/in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	195 Å°C	383 Å°F	
Flammability, UL94	V-0	V-0	

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