

E-Polymers SEPAZ® N6000FR Nanoclay 4% Flame Retardant Nano Composite Resin

Category : Polymer , Thermoplastic

Material Notes:

Nanocomposite: SEPAZ Nano PA6 nanocomposites have been prepared successfully in commercial scale through 'in situ' polymerization or melt extrusion. The unique performance properties of nanocomposites provide a great flexibility in materials design. Nanocomposites have been formulated into various resin systems to deliver desired properties: from rheology control to fire retardation. It shows low specific gravity, gas permeability and high heat resistance, rigidity, dimension stability used for underhood and fuel line parts in automotive industry and for packaging film in food industry. Information Provided by E-Polymers Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_E-Polymers-SEPAZ-N6000FR-Nanoclay-4-Flame-Retardant-Nano-Composite-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 g/cc	1.30 g/cc	ASTM D792
Water Absorption	0.80 % @Time 86400 sec	0.80 % @Time 24.0 hour	
Linear Mold Shrinkage	0.0080 cm/cm	0.0080 in/in	
Linear Mold Shrinkage, Transverse	0.010 cm/cm	0.010 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength	97.61 MPa	14160 psi	ASTM D638
Elongation at Break	20 %	20 %	ASTM D638
Flexural Strength	163.83 MPa	23762 psi	ASTM D790
Flexural Modulus	5.503 GPa	798.2 ksi	ASTM D790
Izod Impact, Notched	0.382 J/cm	0.716 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	148 °C	298 °F	ASTM D648
Flammability, UL94	V-0	V-0	

Processing Properties	Metric	English	Comments
Melt Temperature	228 °C	442 °F	
Mold Temperature	40.0 - 60.0 °C	104 - 140 °F	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China